

CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

MARCH 9 1957

OPICAL THERAPY WITH

'ANTHISAN'
trade mark brand
MEPYRAMINE MALEATE
CREAM

A rapidly effective antihistamine and analgesic preparation for symptomatic relief in allergic and sensitisation dermatoses and other irritant skin conditions.



Supplied
in tubes of
1 oz. 3s. 0d.*
Containers of
1 lb. 30s. 0d.*

M&B
ANTISEPTIC
CREAM

A general purpose anti-infective cream, containing propamidine, for the prevention and treatment of infection in wounds and for the treatment of impetiginous skin conditions.



Supplied
in tubes of
1 oz. 2s. 0d.*
Containers of
1 lb. 17s. 6d.*

'PHENERGAN'
trade mark brand
PROMETHAZINE
CREAM
WITH
DIBROMOPROPAMIDINE

For the rapid control of inflammation, swelling and pain, and for the prevention and treatment of infection in burns and scalds.



Supplied
in tubes of
1 oz. 3s. 9d.*
Containers of
1 lb. 38s. 6d.*

tail price in U.K.—subject to usual trade discount

Available without prescription

MANUFACTURED BY



MAY & BAKER LTD

Brand Medical Products

MA2469

DISTRIBUTORS: PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD · DAGENHAM · ESSEX



SMITH
OF EDINBURGH

CODEINE

Codeine Phosphate B.P. "Special" — Smith, has a specification which makes it of interest to tablet manufacturers.

CHRYSAROBIN

Chrysarobin B.P.C. 1949 now available for prompt delivery; quotations on request.

CASCARA

All official preparations of Cascara Sagrada, including Dry Extract B.P., granular, for tableting.

EPHEDRINE

Enquiries invited for Alkaloid, Hydrobromide and Sulphate of natural origin. Prompt delivery from stock; competitive prices.

HYOSCINE

Offered for prompt or forward delivery—Alkaloid Hydrobromide and Methylbromide.



T. & H. SMITH LTD · BLANDFIELD CHEMICAL WORKS · EDINBURGH 11

New ANTIBIOTIC for LOCAL USE

SOFRAMYCIN OINTMENT

(1.5% of Soframycin in 15G. tubes)

Remarkably
effective against

{ STAPHYLOCOCCI
PROTEUS VULGARIS
PSEUDOMONAS PYOCYANEA

Resistance has never been observed in the many strains of staphylococci isolated from humans including those resistant to other antibiotics.



487 HARROW ROAD,
LONDON, N.W.10

SENSITISATION to Soframycin has never been reported clinically, and tissue tolerance to it is excellent.

Soframycin is soluble in water, and is extremely stable in aqueous solution at room temperature.

Dr Scholl's OFFER

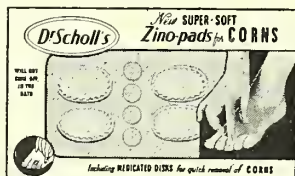
14 TO THE DOZEN

LAST FEW DAYS

CLOSES 16th MARCH

Dr Scholl's BONUS PARCEL

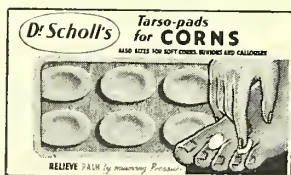
CONTAINING THE QUICKEST SELLING FOOT AIDS IN THE WORLD



6 doz.
assorted
Retail
1/1d.

CONTENTS

	W'sale Price	P. Tax	Total Retail Value
3 doz. Dr. Scholl's ZINO PADS for CORNS	20/-	6/-	39/-
1 doz. " " " " CALLOUSES	6/8	2/-	13/-
1 doz. " " " " BUNIONS	6/8	2/-	13/-
1 doz. " " " " SOFT CORNS	6/8	2/-	13/-



5 doz.
assorted
Retail
10d.

2½ doz. Dr. Scholl's TARSO PADS for CORNS	16/8	Nil	25/-
1 doz. " " " " CALLOUSES	6/8	Nil	10/-
1 doz. " " " " BUNIONS	6/8	Nil	10/-
½ doz. " " " " SOFT CORNS	3/4	Nil	5/-



4 doz.
assorted
Retail
10d.

1 doz. Dr. Scholl's FELT PADS for CORNS (oval)	6/8	Nil	10/-
1 doz. " " " " CORNS (round)	6/8	Nil	10/-
1 doz. " " " " CALLOUSES	6/8	Nil	10/-
1 doz. " " " " BUNIONS	6/8	Nil	10/-

BONUS 14 to the doz. on all above lines — 2/- 28/-

£5 14/- £9.16.0

TAKE ADVANTAGE OF THIS OFFER—THE ONLY OFFER ON THESE OUTSTANDING TERMS THIS YEAR

ORDER TODAY

THE SCHOLL MFG. CO. LTD., 182-204 ST. JOHN STREET, LONDON, E.C.1

Telephone: CLErkenwell 3636

PHOTOGRAPHIC CHEMICALS

BROMIDES

HYDROQUINONE

METOL

POTASSIUM IODIDE

PYROGALLIC ACID

'COLLETT' SULPHITES

ANHYDROUS POWDER—PEA CRYSTALS

SPOT DELIVERY & ON CONTRACT

DISTRIBUTORS:

R. W. GREEFF & CO., LTD.

HEAD OFFICE

GARRARD HOUSE - 31/45, GRESHAM STREET, LONDON, E.C.2

MONarch 1066 (12 Lines)

Wires: Greeff, Cent. London

Telex 2-2590

and at

THE ROYAL EXCHANGE, MANCHESTER

Blackfriars 9407-8 Wires: Greeff, Manchester

DIOCTYL-MEDO

containing

**DIOCTYL SODIUM
SULPHOSUCCINATE**
the new faecal softener

is now available in the
form of Tablets and Syrup

*Enquiries invited also from
some certain overseas markets.*

MEDO-CHEMICALS
LTD.

144, Fortress Road, London, N.W.5.

CAMERA REPAIRS

Bowens for all types of photographic apparatus repairs. Price list, S/A labels and showcards sent on request. Receipt sent by return stating price, time, etc. All estimates free. Monthly A/Cs opened where work warrants.

BOWENS CAMERA REPAIR SERVICE LTD.,
3 Albemarle Way, Clerkenwell, E.C.1 CLE 3295

CAMERA BELLOWS

Bellows supplied or fitted

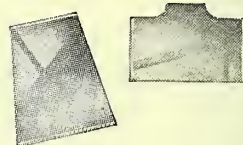
Write for trade list

CLEMENT WAIN LIMITED
NEWCASTLE · STAFFS.

Telephone : 64506

REFLEX CAMERA MIRRORS

Send unmounted Mirrors
only and pack securely



RE-SILVERED by Return of Post
RE-ALUMINISED in 3 to 8 Days

GOWLLANDS LTD.
MORLAND ROAD · CROYDON · SURREY

Over half a century's experience of Mirror manufacture



Whether in metal, wood or wrought iron we design
and make

DISPLAY UNITS, SALES AIDS, DISPENSERS

*Let us submit our ideas and prototypes and show you how
efficient and attractive a permanent display can be*

MOREY (BARNET) LTD., BARNET, HERTS. Tel: BARnet 3222

THIS IS AUTOMATION!

An entirely NEW AND MODERN CHEMIST MAILING SERVICE now offers you the obvious advantages of personally addressed letters to chemists with your own 2-colour headings, faultlessly printed and matched in one run—Coloured Reply Cards with recipient's name and address filled in for him—Automatic folding, envelope addressing and filling—with no extra charge for use of lists and substantial savings in Purchase Tax and at *costs* and *speeds* believed impossible.

You can increase SALES and GOODWILL with your best Customer—THE CHEMIST !

MAIL ADVERTISING SERVICES (MAS) LTD., 351 City Road, London, E.C.1
Telephone : TER 2543

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Millions of women will read this advertising ...

DYLON SUPER-WHITE will be *news* this spring and summer. Advertising in DAILY MIRROR, DAILY SKETCH, WOMAN, WOMAN'S OWN, GOOD HOUSEKEEPING, WOMAN'S ILLUSTRATED, etc., will bring a surge of new sales from the start. Be ready to meet this demand now!

DYLON SUPER-WHITE

SHOWS YOU 33½% PROFIT

ECONOMY JAR 2/6 STANDARD TIN 9d.

Enquiries to:

MAYBORN PRODUCTS LIMITED
DYLON WORKS, SYDENHAM, LONDON, S.E.26

Restore
'yellowed'
NYLON UNDIES
and blouses to
BRAND NEW
WHITENESS!

How? The answer
is of course—DYLON
SUPER-WHITE!
Use only a level
teaspoon at a
time and results
will amaze you.
Jaded, yellowed
nylon becomes instantly
white. Best white woollens
are made wonderfully soft,
too! Guaranteed by the Good
Housekeeping Institute.

DYLON
SUPER-WHITE

From Chemists and
stores in economy
jar 2/6 or standard
metal container 9d.

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Edible BONE phosphate

p r e s e n t s

**calcium and phosphorus
in their most
readily assimilated form**

*Available as a white,
sterile powder in
200, 100, and 50 mesh.*

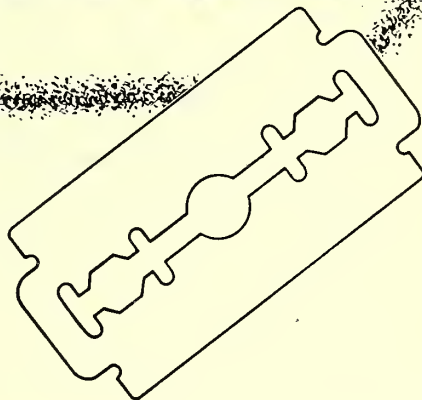
*Full particulars,
samples, and
prices on request.*

CALFOS LTD.
IMPERIAL HOUSE, KINGSWAY
LONDON, W.C.2
Phone: TEMple Bar 3629

THE STAINLESS

SWORD-EDGE

**TRIPLE LIFE
RAZOR BLADE
IS CUTTING A BIG
SALES
FIGURE**



The Sword-Edge blade is packed in an attractive dispenser with compartment for used blades, retailing at 2/6 for 5.

FITS ALL STANDARD DOUBLE EDGE RAZORS.

These attractive sales aids are available:—

SE.1 Attractive plastic counter display unit containing two dozen dispensers of 5 blades. Size 7" x 6".

SE.2 Colourful process mounted washable showcard. Size 12" x 8".

SE.3 Smaller edition of showcard. Size 6" x 4".

SE.4 Waterproof self-adhesive strip in colour for use on windows, showcases, mirrors, etc. Size per unit 12" x 2".

SE.5 Window sticker in colour, gummed and printed on both sides, for glass doors, windows, etc. Size 11" x 8".

SE.6 Illuminated changing sign suitable for windows, complete with bulb, 6 ft. of flex and bayonet fitting. Size 15" x 12".

SE.7 Electric shelf strip for window display, complete with lamp, 6 ft. of flex and bayonet fitting. Size 15" x 2".



WILKINSON SWORD LTD., SWORD WORKS, LONDON, W.4

Ideal for the HOUSEWIFE
keeps hands sociable

9/6 per doz. tubes
Tax Free
Display material
on request.

Cream of Lanolin Ung. Aquos

A.H. COX & CO., LTD.

**Armour's
NEW Gentle
Tranquillizer**



**FOR
MILD ANXIETY
STATES**

NITENSAR acts within 20 minutes to produce smoothly deepening and relaxing calm—without any aftermath of 'dopiness'—because of the therapeutic efficiency of combining closely related drugs in small total doses.

NITENSAR
Regd. Trade Mark

Each NITENSAR tablet contains reserpine 0.1 mg.; quinalbarbitone sodium and pentobarbitone sodium 12.2 mg. each; and buta-barbitone sodium and phenobarbitone 4.0 mg. each.

Available in bottles of 50, 100 and 1000 tablets.

THE ARMOUR LABORATORIES
(Armour & Company Ltd.)

HAMPDEN PARK, EASTBOURNE, ENGLAND

Telephone: Hampden Park 740
Telegrams: Armolab Eastbourne

**WIN
the loyal
Cuticura public
to YOUR Pharmacy**

Just one pack of each of the Cuticura Preparations in your attractive window will catch the eye of every Cuticura Customer. They know that the pharmacy that sells their Cuticura, stocks only the best.

STOCK AND DISPLAY

Cuticura

**SOAP
OINTMENT
HAND CREAM
SHAVING STICK
TALCUM POWDER
MEDICATED LIQUID**



What's all the rush about?

They're off to see their local dealer

Every photographer today is wise to the importance of a first class lens on his camera. A fact which makes it easier to sell a Ross Ensign camera than any other, and one which will bring an unprecedented number of visitors straight from the Fair to your shop to buy the camera of their choice fitted with the best lens in the world.

But spare time to visit the Ross Stand yourself where you will find promise of even more exciting things to come. New Ross Ensign colour cameras and slide projectors, a new precision enlarger and a fine new series of inexpensive enlarging lenses.

See the new wide screen CinemaScope lenses for 35 mm still and 16 mm cine projection and the latest in low price Ross binoculars. And whatever you do, don't miss the pre-view of the new Ful-Vue—the FULVUEFLEX. It's brand new right through with a fully supporting range of profitable accessory lines.

STAND 39
PHOTO FAIR
APRIL 11—17



ROSS ENSIGN LTD., CLAPHAM COMMON NORTH SIDE, LONDON, S.W.4

DONVIN

*aids
the
dealer*



In our publicity we strive to get people to consult you, the dealer, on problems affecting the repair and reconditioning of cameras, lenses etc. To our dealer friends we extend good wishes and an assurance that the DONVIN REPAIR organisation will continue to use every effort in fostering good will between dealers, the public, and ourselves.



INSTRUMENTS LIMITED

MIDLAND TERRACE, VICTORIA ROAD,

LONDON, N.W.10

KENMORE (Merchants) LTD.

WHOLESALE PHOTOGRAPHIC DEALERS

*We specialise in prompt delivery
of goods produced by :-*

Photax (London) Ltd	Thorn Electrical Ind. Ltd
North Staffs P. Services	Ever Ready Co. Ltd
Pathescope Ltd	Adhesive Dry Mounting Co. Ltd
Dufay Ltd (Coronet)	Kleenstik Ltd
Philips Electrical Ltd	Sherwoods
Siemens Bros. Ltd	Hallfield Press
General Electric Co. Ltd	Denis Wright Ltd
Ediswan Co. Ltd	C. H. Halliday Ltd
A.E.I. (Mazda) Ltd	Rexel Ltd

**THE QUICKEST
WITH THE BEST!**

KENMORE (MERCHANTS) LTD.

81-83 WESTGATE, BRADFORD, 1

Telephone: Bradford 32244/5

A quality first DEVELOPING & PRINTING Service

is essential to ensure the maximum turnover from your Photographic Department

- FIRST CLASS WORK
- SPEEDY DELIVERY
- RELIABILITY

are the characteristics of our service which has substantially increased the D. & P. turnover of our friends.

SAME DAY POSTAL SERVICE

Service by post everywhere. Delivery throughout Thanet

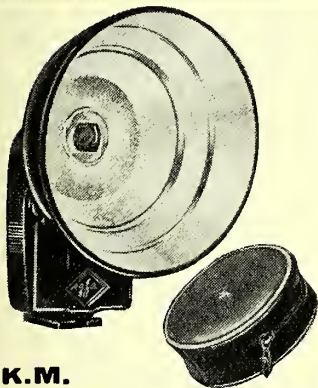
BROADSTAIRS PHOTO WORKS LTD.

13-15 VICTORIA ROAD, RAMSGATE

TELEPHONE: THANET 52035



Here are your
BIG PROFIT MAKERS
Stock up with these popular and
good selling lines now



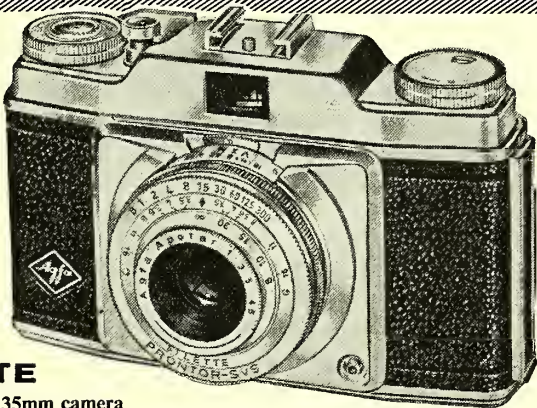
K.M.
NEW HIGH PERFORMANCE
POCKET FLASHGUN

Smallest ever capacitor-type pocket flashgun designed to take capless flash bulbs exclusively. Sure-fire maximum flash performance. Incorporates unique press-on reflector for speed and convenience. Smart zip case fits camera sling. £2. 8. 5 including zip case.

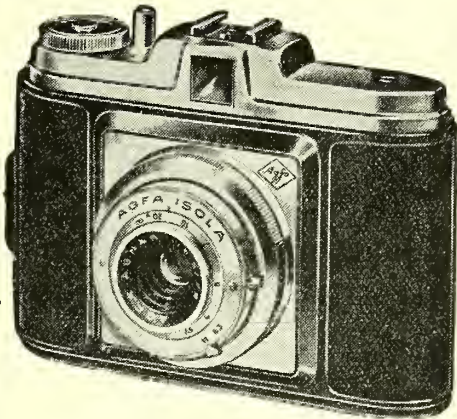


Agfalux
FOLD-AWAY
POCKETABLE
FLASHGUN

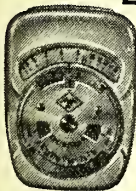
Neatest, most compact unit ever with "Fan-out" reflector. Full power flash performance. Measures 4½" x 2½" x 1½" when closed. Neat zip case fits camera case sling. £4. 12. 10 including zip case. Also KK flashgun. £2. 11. 5 incl. zip case.



SILETTE
the superlative 35mm camera
Agfa Apotar f3.5/45mm lens; positive action leverwind. With Pronto SVS 9-speed fully synchronised shutter — £23. 12. 3. With Pronto 4-speed shutter — £19. 6. 5.

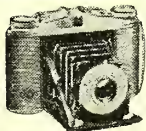


ISOLA
Simplest-ever camera for Colour and Black and White.
Agnar f6.3/75mm lens.
Single shutter: 1/30, 1/100,
B. Synch. 2½" x 2½"
— £8. 15. 2.



LUCIMETER M

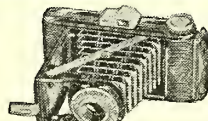
Brilliant new version of Agfa's famous photo-electric exposure meter. Neat, eminently handy, handsomely styled. £8. 10. 9.



ISOLETTE
world's most popular 2½" x 2½" folding camera. Superb range of models from £13. 2. 7 to £23.12.3



CLACK
the fashionable little snapshot camera for full size 2½" x 3½" pictures — £3. 19. 11



BILLY 1
2½" x 3½" folding camera. Agnar f6.3/105mm lens. Vario 3-speed shutter. Synch. — £11. 5. 0.

Registered Trade Mark
Proprietors: Agfa A.G.,
Leverkusen — Bayerwerk



EXHIBITS ON STANDS 16, 17 & 18 AT THE PHOTO
FAIR WILL PROVE A POWERFUL SALES SPUR
IN THE SEASON AHEAD!

AGFA LIMITED 27 REGENT STREET • LONDON S.W.1 • REG 8581/4

Brook, Parker

and Company Limited

PHOTOGRAPHIC WHOLESALERS

COLOUR PHOTOGRAPHY

Following an unprecedented demand in this field of Photography for 1957
we have increased stocks of World Famous Makes of
Reversal/Negative material.

**AGFACOLOR · FERRANICOLOR · GEVACOLOR
ILFORD COLOR · PAKOLOR · RAYCOLOR, etc.**
Including chemicals and accessories for processing and slide making.

CAMERAS (Still and cine)—over 70 different makes and models
from 35/- including the fabulous VITO B, SILETTE and EUMIG, etc.

WRITE FOR 'P' LIST

Telephone: 32281 (5 lines)
Telegrams: Broparco. Bradford

'ASHFIELD,'
HORTON ROAD, BRADFORD, 7

CINE SCREENS

FRONT AND REAR PROJECTION

CINE AND EPIDIASCOPE SCREENS IN
ALL SIZES AND VARIOUS DESIGNS
WITH WHITE OPAQUE, SILVER AND
CRYSTAL BEAD SURFACES

REAR PROJECTION UNITS FOR
EDUCATIONAL USE A SPECIALITY



SEND FOR CATALOGUES TO:

THE PERFORATED FRONT PROJECTION SCREEN CO. LTD.

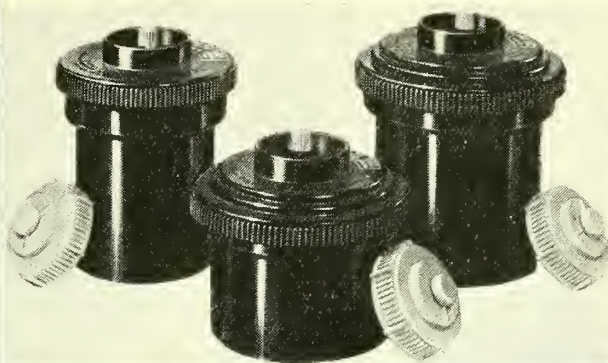
43-49 HIGHAM STREET, WALTHAMSTOW, LONDON, E.17

TELEPHONE :
LARKSWOOD 1061-2

TELEGRAMS :
PERFORATES WALT LONDON

**Mr. Chemist,
YOU'RE LOSING SALES
IF YOU
DON'T**

STOCK PATERSON PRODUCTS



The hundreds of thousands of photographers throughout the Country know Paterson Products for their advanced functional design and first class performance. The demand for them is constantly growing and if you do not stock, the shop in the other street will clinch the sale.

PATERSON DEVELOPING TANKS

have achieved world wide fame. All models now have inversion agitation—THE answer to uneven development—and self loading spirals. Models for all film sizes. From 30/-

PATERSON 2 x 2 SLIDE VIEWER and CONTAINER

Holds its own Slides—Can be carried in pocket for viewing at any time 12/6

PATERSON ILLUMINATED 2 x 2 TRANSPARENCY VIEWER

Pocket size but gives results equal to table models 35/-

PATERSON FOCUS FINDER

simplifies focusing for enlarging 18/2

PATERSON MAGNIFIER

can be used with above for highly critical examination of detail 11/6

PATERSON PRINT FORCEPS

for clean dark room work 1/6

PATERSON SAFELIGHT LAMPS

can be placed on bench, wall or ceiling. Red or orange interchangeable. Lamp complete ... 10/6
Interchangeable safelights, either colour ... 6/-

PATERSON CONTACT PRINTER

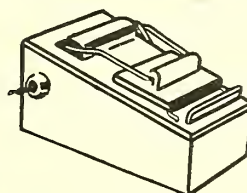
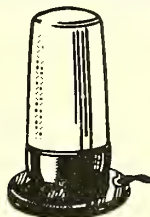
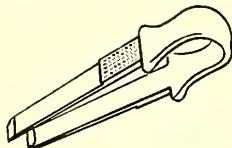
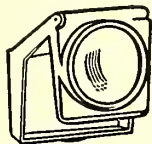
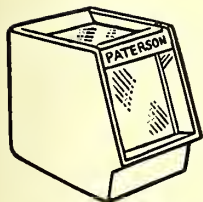
enables even the beginner to make his own prints 35/-

PATERSON CERTIFIED THERMOMETERS

Sold with a GUARANTEE OF ACCURACY.
Mercury type 18/6
Spirit type 14/-



Attractive sales literature is available to Stockists.



Manufacturers and World Distributors:

R. F. HUNTER LIMITED

"Celfix House," 51/53 Gray's Inn Rd., London, W.C.1.

Phone Holborn 7311/2

FACTORIES AT LONDON AND LEIGHTON BUZZARD, BEDS.



Here's outstanding value for you!

Baldixette $2\frac{1}{4} \times 2\frac{1}{4}$

SPECIFICATIONS

- Balda f9/7.2 cm. Lens
- Easy Loading (film chambers wings out)
- Clear Optical Viewfinder
- Self-erecting Barrel
- Body Release
- Satin Chrome Finish
- Flash Synchronisation
- Film-type Indicator
- Socket for Wire Release
- Tripod Bush
- 12 pictures on standard 120 film
- $2\frac{1}{4}$ in. x $2\frac{1}{4}$ in. prints which can be put in the album without enlarging.

METAL SLIP-ON FILTER HOLDER..... 7/9
(For interchangeable Filters)

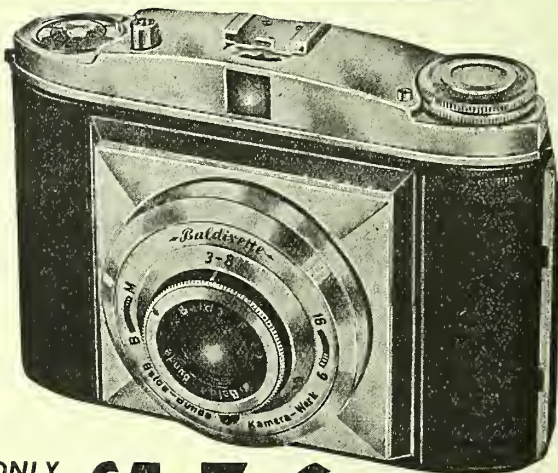
YELLOW FILTER 2x..... 7/-

METAL SLIP-ON LENS HOOD..... 6/9

CLOSE UP LENS..... 5/6

Portrait Attachment Set, comprising Lens Hood, 2x Yellow Filter and holder, Close-up Lens and holder, unbreakable 29/6

With this extremely well-made and low-priced camera the Balda-Kamerawerk wishes to make it possible for everybody to afford a **BALDA CAMERA**.



ONLY **£5.7.6**

SALPA EVER-READY CASE WITH STRAP, 25/6

MAKE THE SILBER STANDS 1 AND 2 YOUR MEETING PLACE AT THE PHOTO FAIR, OLYMPIA, APRIL 11-17

J. J. SILBER LTD., 51/4 AVENUE CHAMBERS, VERNON PLACE, LONDON.

CHA 2237/3596—HOL 4214/5

EKTACHROME

and particularly

PROCESS E.2.

May we suggest that you adopt the quality of our processing as a standard for this film?

HAAGMAN

COLOUR LABORATORIES

18 Doughty Street, London, W.C.1
Telephone - - - - HOLborn 2503

MAKE SURE

when next ordering

CARTONS, LABELS

or any form of

CHEMISTS'

PRINTED MATTER

you contact the Specialists

WE
OFFER
YOU



THE
CORRECT
SERVICE

ALF HARRISON & SONS LTD.

Carton, Medical and Advertising Printers

BURLEY ROAD, LEEDS, 4

Phone: Leeds 52668/9

Grams: "Ideas," Leeds, 4

BONUS OFFER OF



SOMBRERO

the Goya suntan cream

Simple arithmetic will convince you of the splendid opportunity to make extra profit from the Sombbrero Bonus Offer of 1 dozen tubes completely free of charge and Purchase Tax with every gross ordered. Your profit is over 40%! See for yourself:—

The Bonus Scheme applies to all orders for 12 dozen placed before the 30th April for delivery on or before 1st May.

Cost of one gross Sombbrero at Trade Price	
(including tax, less discount) - - -	£15 5 8d.
Retail value of 13 dozen Sombbrero at 2/9d.	
per tube. (1 gross plus bonus) - - -	£21 9 0d.
Your Profit - - -	£6 3 4d.
Retail profit on one gross only of Sombbrero	£4 10 4d.
Your Extra Profit - - -	£1 13 0d.



This coming season Sombbrero sales will be backed by a National advertising campaign linked to gay and attractively designed display material. Sombbrero encourages a rapid and healthy tan. By absorbing harmful sun's rays with a double filter, Solprotex, it not only protects the skin from sunburn and irritation but is safe for tropical use.

GOYA . PARIS . LONDON . NEW YORK

Everything about the NEW LOOK

YESTAMIN VITAMIN YEAST

means more business for you

NEW prices:

to give you a bigger profit on every bottle sold.

TABLETS

Bottles of 50 tablets

Bottles of 100 tablets

Bottles of 300 tablets

POWDER

Tins containing 8 oz.

Tins containing 16 oz.

Wholesale Price
per dozen

14/6

21/-

50/6

33/6

50/6

Retail Price
each

1/9

2/6

6/-

4/-

6/-

NEW label & crowner:

to attract attention and focus
interest on the tonic qualities of Yestamin.



NEW advertising:

to make Yestamin widely known through
big-circulation Sunday newspapers.

NEW distribution:

to supply your needs. Messrs. WALTER CROWE LTD.,
3 & 4 Little Russell Street, London, W.C.1, are now the sole
distributors in the U.K. for YESTAMIN.



Order good stocks of **YESTAMIN** Vitamin Yeast,
display it, and recommend it whenever the best
yeast tablet is asked for.



Manufactured by the English Grains Co. Ltd., Burton-on-Trent.



AEROSOLS ADVANCE!



IN AMERICA
A two hundred
million jump in
four years!

Sales of non-food aerosols in U.S.A.

1951 -	42 million
1952 -	97 million
1953 -	140 million
1954 -	185 million
1955 -	240 million

(Source—Chemical Specialities Manufacturers Association Annual Survey)

IN BRITAIN
a fine beginning and ...
METAL BOX OFFERS
THE PRECISION VALVE!

The figures speak for themselves—and the phenomenal sales record of aerosols in America is about to be repeated in this country! Metal Box is convinced that aerosols are on the brink of a tremendous upsurge in sales—now! That is why they have taken the lead in Britain by manufacturing the Precision Valve, the most reliable valve in the world. With over 400,000,000 sales to its credit in the U.S.A. the Precision Valve is already a proved success. Added to this Metal Box can offer a choice of containers, caps and collars unrivalled for quality and sales appeal. The Metal Box research laboratories are at the disposal of all their customers and will be glad to assist in any way including, if necessary, with formulation. Remember this: aerosols still have the overwhelming sales advantage of novelty in this country. SEIZE THIS OPPORTUNITY—BE AMONG THE FIRST IN YOUR FIELD TO MARKET A PRODUCT IN AEROSOLS.

WRITE OR PHONE TO-DAY FOR FULL DETAILS OF THE
METAL BOX RANGE OF AEROSOLS



THE METAL BOX COMPANY LIMITED
37 Baker Street · London W.1. Hunter 5577

PACK THESE IN AEROSOLS!

- For consumers
- AIR FRESHENERS
 - ANAESTHETICS
 - ANTISEPTIC OILS
 - ANTI-GLARE SPRAYS
 - ANTI-STATIC SPRAYS
 - ANTI-TARNISH SPRAYS
 - ARTISTS' VARNISH
 - BACTERICIDES
 - BIRD REPELLENTS
 - BURN PREPARATIONS
 - CAR POLISHES
 - CAR DEGREASERS AND CLEANERS
 - CAT REPELLENTS
 - CHROME PROTECTORS
 - COLD PREVENTATIVES
 - CRACK SEALERS
 - DEODORANTS
 - DIAPER FRESHENERS
 - DOG REPELLENTS
 - DUST MOP SPRAYS
 - DUST BIN SPRAYS
 - ENAMELS
 - FIRE EXTINGUISHERS
 - FOOT POWDERS
 - FOOT SPRAYS
 - FUR CLEANERS
 - FURNITURE POLISHES
 - FUNGICIDES
 - GLASS FROSTING SPRAYS
 - GREASE REMOVERS
 - HAND CLEANERS
 - HAND LOTIONS
 - HAIR CURL AND SET SPRAYS
 - HAIR DRESSINGS
 - HAIR TINT SPRAYS
 - HAY FEVER ALLERGY SPRAYS
 - HORMONE BLOSSOM SET SPRAYS
 - INSECTICIDES
 - INSECT REPELLENTS
 - LACQUERS
 - LEATHER TREATMENT SPRAYS
 - LENS CLEANERS
 - LUBRICANTS
 - MILDEW PREVENTATIVES
 - MIRROR CLEANERS
 - MODEL AIRPLANE DOPES
 - MOTHPROOFERS
 - NAIL POLISH DRIERS
 - OVEN CLEANERS
 - PAINTS
 - PAINT REMOVERS
 - PET SPRAYS
 - RUST PREVENTATIVES
 - SHAMPOOS
 - SHAVING CREAMS
 - SHOE COLOURS
 - SHOE POLISHERS
 - SMOKE SPRAY FOR BEE KEEPERS
 - SNOW, ARTIFICIAL
 - SPOT REMOVERS
 - SUEDE REFINISHERS
 - SUNBURN CREAMS
 - SUNTAN SPRAYS
 - TYPEWRITER CLEANERS
 - UPHOLSTERY CLEANERS
 - VETERINARY SPRAYS
 - WALL PAPER CLEANERS
 - WALL PAPER COATINGS
 - WATER REPELLENTS
 - WAXES
 - WEED KILLERS
 - WINDOW CLEANERS
- For industry
- AIR FILTER OILS
 - ANTI-FOAM SPRAYS
 - ANTI-OXIDANT SPRAYS
 - ANTI-STATIC SPRAYS
 - BELT DRESSINGS
 - CLEANER LUBRICANTS FOR ELECTRICAL CONTACTS
 - GREASE REMOVERS
 - DIESEL ENGINE STARTERS
 - DYE PENETRANTS AND DEVELOPERS
 - FIRE EXTINGUISHERS
 - FUEL OIL DEODORANTS
 - FUR LUSTERIZERS AND DYES
 - INSULATING SPRAYS
 - LIVESTOCK SPRAYS
 - LUBRICANTS
 - METAL COATING SPRAYS
 - OILS, INCLUDING PENETRATING OILS
 - PLASTIC MOULD RELEASE COMPOUNDS AND LUBRICANTS
 - PAINT AND VARNISH REMOVERS
 - PLASTIC SPRAYS
 - PROTECTIVE COATINGS
 - PUMP LUBRICANTS
 - RUST INHIBITORS
 - SILICONE RELEASE AGENTS FOR USE ON HEAT SEALING EQUIPMENT
 - STENCIL INKS
 - WATER REPELLENTS
 - WATERPROOFERS

AND NOW!

Free **MAGNIFICENT**
MERCHANDISERS

for

BARTEX
Featherweight
Sun Glasses

Every retailer ordering the complete pack of 6 dozen Bartex Featherweight Sunglasses will receive one of these sales compelling, space saving, revolving merchandisers free of all charge.

Bartex Featherweight, the sunglasses backed by a heavyweight advertising campaign, will sell themselves from this eye-catching display which features prominently in large 'National' Press advertisements and on Television all over the country. One square foot of counter or window space will enable you to show the complete 1957 Bartex range.

★ **ORDER NOW** from your Wholesaler

All wholesale enquiries to:—

ALFRED FRANKS & BARTLETT CO., LTD.



The 'Bartex' Merchandiser Pack includes:—

3 doz. MP22 series Retail 10 6d.

3 doz. MP23 series „ 13 6d.

Total Retail Cost £43 4 0d.

Retailer Pays £28 16 0d.

RETAILER'S PROFIT £14 8 0d.

226/8 GRAYS INN ROAD, LONDON, W.C.1
Tel: TERminus 9865/8

JOHNSON PHOTOGRAPHIC CHEMICALS AND ACCESSORIES FOR THE AMATEUR

JOHNSON CHEMICALS

DEVELOPING SOLUTIONS

Azol
Bromide
Capitol
Con-Sol
Contrast
Meritol-Metol
Unitol
Universol

JOHNSON CHEMICALS

DEVELOPING POWDERS

Bromide
Developer 468
Fine Grain
M-Q.
M-Q Print.
Unitex
Fixers, intensifiers, reducers,
etc.

**ORDER
DIRECT OR
FROM YOUR
USUAL
WHOLESALE**

JOHNSON EQUIPMENT

"Polly" Developing Tanks
Enlargers
Lighting Equipment
Flashguns
Printing Frames
Outfits
Dishes, Measures, etc.

**JOHNSONS
OF HENDON LTD, LONDON, N.W.4.**

M&B

F O R S



P H O N A M I D E S

Since before the war, when the first successes of our research into the therapeutic properties of sulphanilamide derivatives became known, the house mark **M&B** has come to be closely linked with this field of investigation and manufacture. Research has continued. Expansion has gone on. Today we *remain* the house for sulphonamides, with plant producing a wide and important range of these drugs to meet every demand.

YOUR ENQUIRY IS INVITED

M&B
brand

PHARMACEUTICAL CHEMICALS

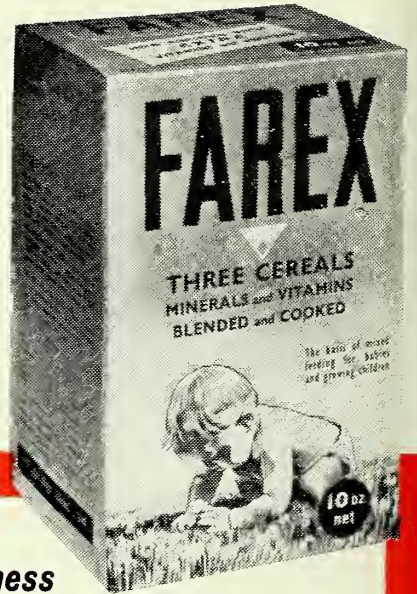
MANUFACTURED BY

MAY & BAKER LTD • DAGENHAM • ENGLAND • TELEPHONE: ILFORD 3060

ASSOCIATED HOUSES IN • BOMBAY • LAGOS • MONTREAL • PORT ELIZABETH • SYDNEY • WELLINGTON

BRANCHES AND AGENTS THROUGHOUT THE WORLD

These famous products
are being advertised in the
DAILY MIRROR week
beginning March 11th



*For extra business
extra profits...*

display these brands
on your counters,
in your windows.
Be sure
customers see
that you are
their nearest
stockist.



* 14,749,000 readers of the Daily Mirror will see their advertisements. That's over one in three of all shoppers in your area. Tell your other suppliers that the support you want is brand advertising in the Daily Mirror.

* I.P.A. Readership Survey.

biggest daily sale on earth **Daily Mirror**
moves goods nationally, regionally, **LOCALLY**



**DARKROOM BOYS
OR OUTDOOR GIRLS...**

Satisfy every type of customer with

PHOTOGRAPHIC SUPPLIES FROM SANGERS

We have good supplies of apparatus,
accessories, chemicals and sensitized materials

ORDERS TO

Sangers Ltd. 258 Euston Road, London, N.W.1
and associated companies



For shapes with sales appeal...

Metal Box
'Know-how'
still counts!

These unusually shaped containers are made from extruded aluminium. A special process will give a wide range of contours, some of which are illustrated here. The powder containers are sealed with a powder-tight seam after filling from the bottom. Standard sprinklers of the 'Klikite' or 'push-on' type can be fitted. Water-based emulsion cosmetic creams can be filled hot into the larger bulged containers. The seamless construction allows solidification to take place without loss of liquid through leakage. Closures of decorative metal or plastic add to the display value of the finished container. Bulged containers may be decorated in up to 4 colours on a satinized aluminium base, which lends itself to brilliant results in half-tone reproduction, or they may be coated and printed in up to 5 colours. For unusual sales appeal perhaps an unusual shape would suit the packaging of your product. Metal Box will be glad to help you find the answer.

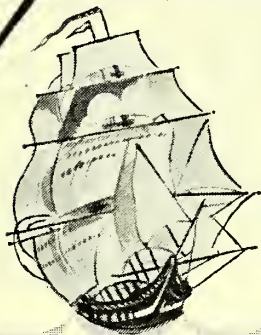
THE METAL BOX COMPANY LIMITED

Metal Containers · Paper Products · Flexible Packages · Plastic Films and Laminations

37 Baker Street, London W.1. Hunter 5577



Ahoy there!



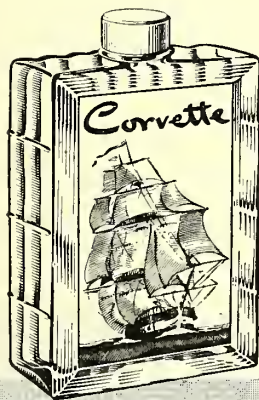
HOIST YOUR SALES

WITH *Corvette*

Corvette is all set to make 1957 a record year. In the National Press and in leading Women's Magazines, Corvette advertising will have more to say for itself—and more often—than ever before.

Bright and brand-new counter and window display material will help to clinch sales.

*Our advertising, your display,
your recommendation—all can
link together to make 1957
a record year for ...*



Corvette

GOYA 161 NEW BOND STREET LONDON W.1

Powerful NATIONAL Advertising means more sales for

FROM NOW until the end
of **MARCH** you will see our
Advertisements in
NATIONAL NEWSPAPERS
and **MAGAZINES**



*Bring
SUNSHINE
into your home*

**DOCTORS
PRESCRIBE**
vitaminising ultra-
violet and deeply
penetrating infra-
red rays.

FOR THE OLD
to relieve pains, particu-
larly Rheumatic, Sciatic
and similar conditions.

FOR THE YOUNG
to help their bones to grow
through the anti-rickets
Vitamin D.

BRITISH MADE.
GUARANTEED
FOR 12 MONTHS.

ACTINEA
the Portable Sun



£12 . 12 . 0
(Easy Terms Available)

From Chemists, Hairdressers
and Electrical Dealers
(on prescription)

DEALER'S NAME
and full address here
Telephone Number

WE are pleased to advise you
that as a result of the increase in
the sales of our Actinea Ultra
Violet/Infra Red Sun Lamps, we
have been able to reorganise our
production in such a way as to en-
able us to produce these appliances
very much more economically than
in the past.

The retail price is
£12. 12. 0.

We are convinced that as a result
of this lower price our trade
customers will be able to double
their sales in the coming season,
and in order to support them in this
endeavour we have made adequate
provisions for large scale national
advertising, and local dealer
advertising on a 50/50 basis.

TO HELP
YOU
TO SELL

ACTINEA
the Portable Sun

ultra-violet and infra-red ray
PORTABLE UNITS
(packed singly in cartons needing
very little storage space)

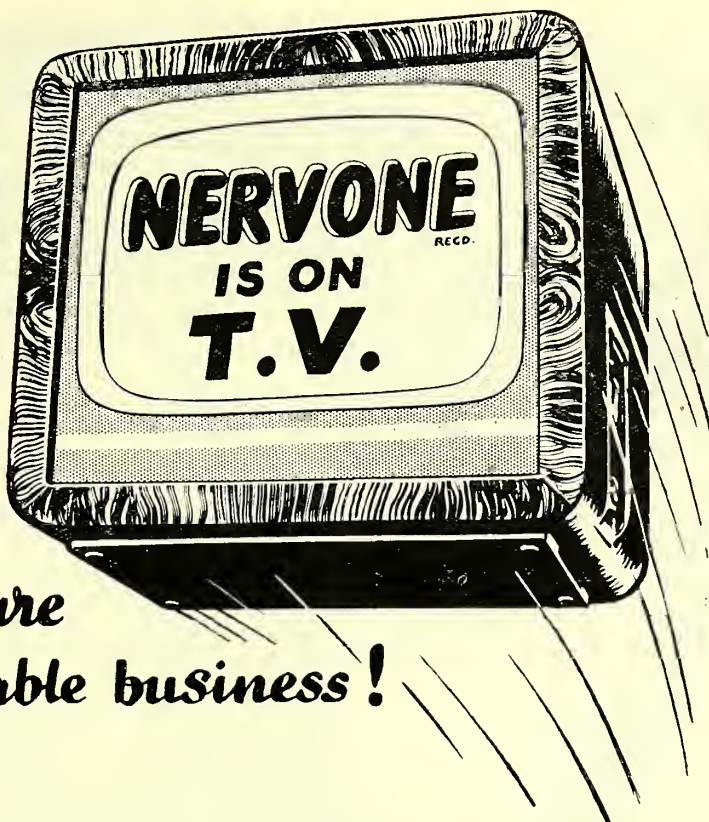
£12 . 12 . 0

retail. On prescription only.

Full Trade Discounts
Exempt from purchase tax

PERIHEL LIMITED
WEST MALL WORKS, 27/29 RABBIT ROW, LONDON, W.8
Park 6886/7870/7296

SALES are RISING!



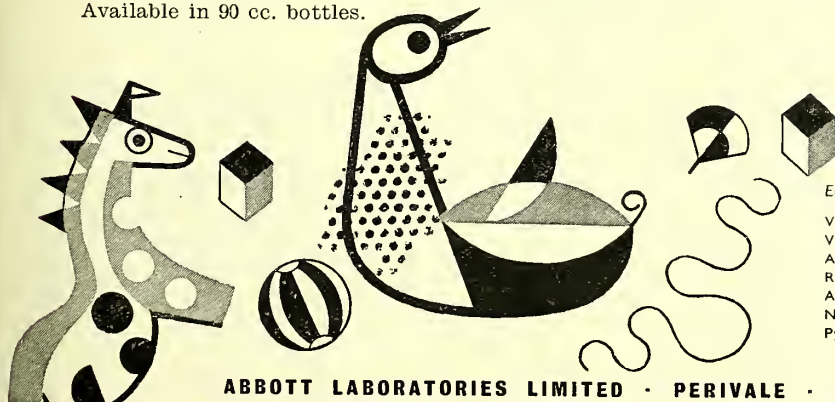
Stock up and
take your share
of this profitable business!

★ The new T.V. campaign is backed-up by intensive Press, Poster and Theatre publicity.

He's heard the call... for VI-DAYLIN

TRADE MARK

AT VITAMIN TIME it's never a problem to get children to take VI-DAYLIN. This pleasant vitamin supplement can be added to milk or juices, or given direct from the spoon. VI-DAYLIN has a carefully balanced formula . . . has no objectionable odour . . . will not stain clothes . . . and is stable at room temperature. Available in 90 cc. bottles.



Each 5 cc. of VI-DAYLIN contains:—

Vitamin A	3,000 i.u.
Vitamin D (Viosterol) B.P.	800 i.u.
Aneurine Hydrochloride B.P.	1.5 mg.
Riboflavine, B.P.	1.2 mg.
Ascorbic Acid, B.P.	40 mg.
Nicotinamide, B.P.	10 mg.
Pyridoxine Hydrochloride	0.5 mg.

ABBOTT LABORATORIES LIMITED • PERIVALE • GREENFORD • MIDDLESEX



PROFITS FOR YOU IN VIEW . . .

Linc-o-Lin Beer Shampoo promises still higher 'crest of the wave' selling! TV Advertising begins March 9th on London Region, and Lincoln's new factory is ready for a bumper year.

*ARE YOU WELL STOCKED WITH...

CONTAINS BEST BEER

Linc-o-Lin

BEER

Shampoo



IN SACHETS. Retail Price 10½d.
NOVEL "BEER-BOTTLE" CAR-
TON holding 30 Sachets.
Price to retailer 15/- + 4/6 P.T.
IN CRATES OF 5 "BOTTLES"
£3.5.0 + 19/6 P.T.

IN 4-SHAMPOO BARRELS

Retail price 2/6

Price to retailers

15/7½ per doz. + 4/8 P.T.

"LINCOLN INN" CARTON

with 6 Sachets, Retail price 5/-

Price to retailers—24 Packs

£3.2.6 + 18/9 P.T.



TV ADVERTISING

BEGINS

SATURDAY

MARCH 9TH

LONDON
REGION

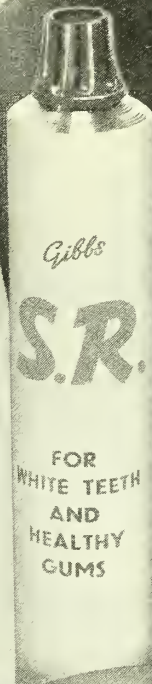
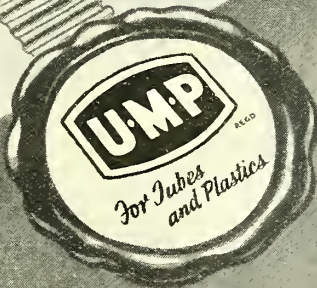
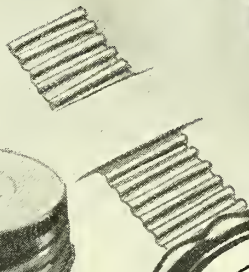
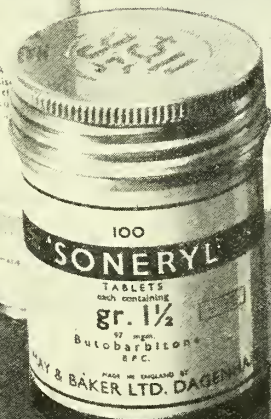
MARKET PLACE 7—10 p.m.

Tel: ACORN 6791

LINCOLN HAIR PRODUCTS LTD., 55/57 STRAFFORD RD., LONDON, W.3.

U.M.P.

PACKAGING
SERVICE



UNIVERSAL METAL PRODUCTS LTD.
SALFORD 6 LANCs. Telephone: PENDLETON 4444
LONDON OFFICE: ARGYLE HOUSE, 29/31, EUSTON ROAD, N.W.1. TEL. TERMINUS 2073

Announcing a new **COOPER Aerosol**



**TIMB
-aire**

the press-button
WOODWORM KILLER

Here's the latest, most convenient and effective way of destroying woodworm in furniture—by press-button injection of flight-holes and the spraying of unpolished surfaces with TIMB-aire! Simply press the button and liquid is forced under pressure through the injector-tube, deep into the tunnels made by the pests. TIMB-aire is exceptionally penetrating. There's no need to inject every hole—simply treat a sufficient number to ensure thorough saturation of the wood. Most households are troubled with woodworm at some time. By stocking and recommending TIMB-aire you can be sure of a ready and profitable sale. Retail prices and sizes are:—

Popular . . . 5/6 each (Trade Cases of 1 dozen)

Large . . . 10/6 each (Trade Cases of ½ dozen)

TIMB-aire is being included in all National advertising for Cooper's Household Aerosols in 1957, and special display material and leaflets will be available. Stock up with TIMB-aire NOW!

**5% BONUS
DISCOUNT**

In addition to normal Trade and Cash Discounts, a special 5% BONUS DISCOUNT is offered on all orders for TIMB-aire placed before April 30th. This offer also applies to orders for Cooper's Household Aerosol, MOTH-aire and FRESH-aire up to the same date.

★ **Only TIMB-aire offers ALL these advantages**

- Contains THREE powerful insecticides, including 'Dieldrin', one of the most persistent yet discovered.
- Kills grubs and beetles of Woodworm (*Anobium punctatum*).
- Also effective against Powder-Post Beetles (*Lyctus spp.*).
- Ready for immediate use, without further assembly.
- No separate injector needed.
- Guard on nozzle protects fingers against soiling.



Richard Daniel & Son LTD

for

PACKED GOODS

*Attractively labelled
and presented*

PRICE LIST ON APPLICATION

Mansfield Road Derby

Tel.: 40671 (8 lines)

Also at Ashton-u-Lyne Tel.: 2816 (3 lines)

Regularly needed by thousands of women

SOUTHON BRAND

**WILL BE BROUGHT TO THE
NOTICE OF THOUSANDS
MORE THROUGH ...**

E.P.

TABLETS

**FOR
PERIOD
PAINS**

RETAIL PRICE: 1/11 per packet
of 16 tablets including tax.

TRADE PRICE: 12/8 per dozen
packets plus tax.

National Advertising

POINT-OF-SALE DISPLAY

Attractive but discreet Show-cards and Display Dispensers link your premises with the overall campaign by providing constant reminders to your women customers. Leaflets for counter distribution available on request.

NATIONAL PRESS ADVERTISING

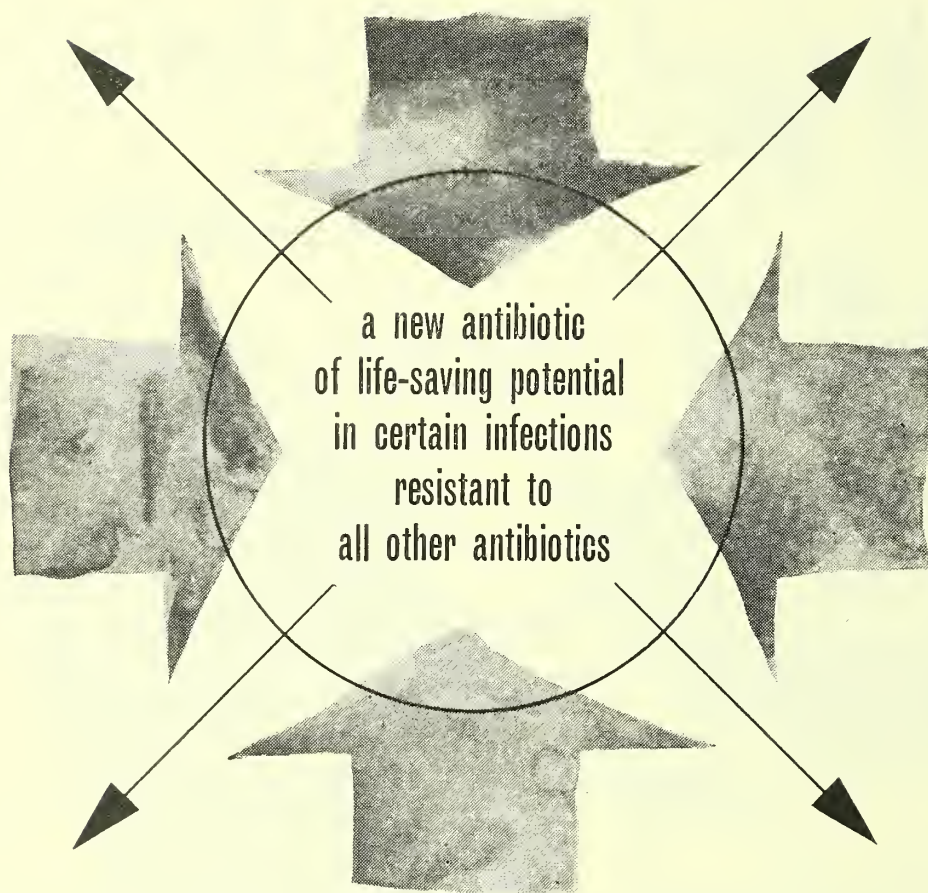
Selected Women's Journals remind thousands of women readers all over the country that they need not suffer the discomfort of period pains.

For further details please get in touch with your C.F. Wholesaler or direct to:-

SOUTHON PRODUCTS LIMITED

88 UPPER RICHMOND ROAD • LONDON • SW15





'CATHOMYCIN' is given orally and has proved to be highly effective in infections due to *Staphylococcus* and certain susceptible strains of *Proteus*, including those resistant to all other antibiotics.

HOW SUPPLIED: 'CATHOMYCIN' Tablets are supplied in bottles of 16 and 100. Trade and Hospital prices: 16's, 48/-d; 100's, 288/-d. Each tablet contains the equivalent of 250 mg. Sodium Novobiocin.

Excellent results have been reported in the following conditions:

- Post-operative wound infections
- Cellulitis
- Staphylococcal septicaemia
- Varicose ulcers
- Recurrent and persistent carbuncles
- Various skin abscesses
- Enteritis
- Whitlows and paronychia
- Maxillary sinusitis
- Osteomyelitis
- Infected amputation stump
- Infected burns

'CATHOMYCIN'

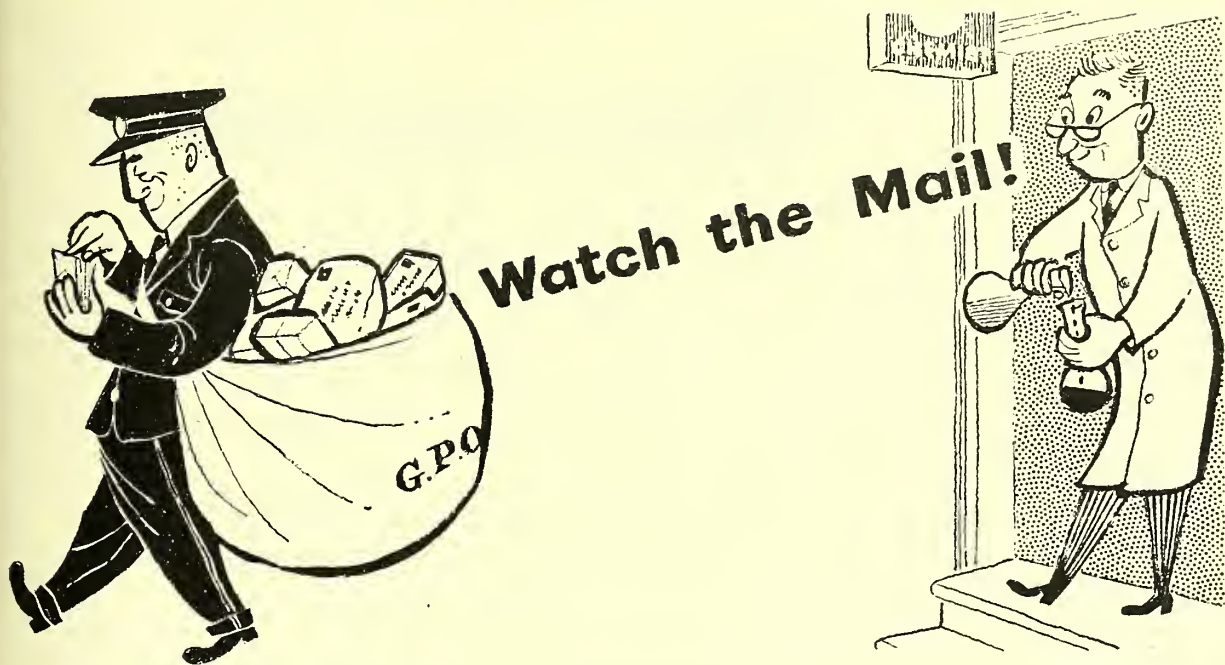
(Sodium Novobiocin)

TRADE MARK

Available for prescription on Form E.C.10

MERCK SHARP & DOHME LIMITED, HODDESDON, HERTS

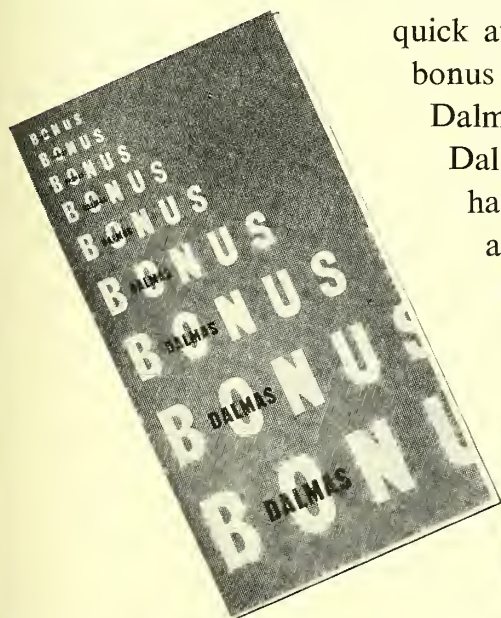




THERE'S A BIG BONUS OFFER COMING YOUR WAY!

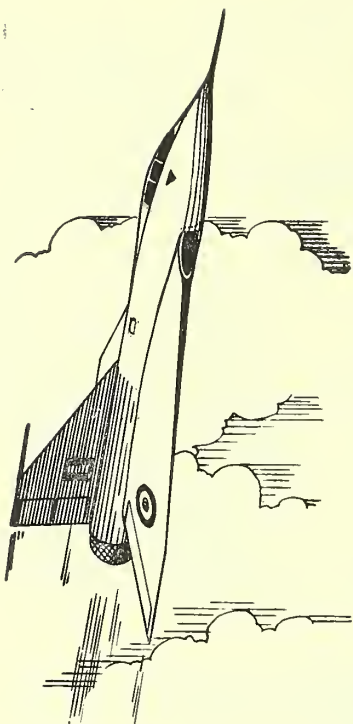
Look out for the postman — very soon he'll be bringing you this year's Dalmas Bonus Offer folder, which contains full information of our big Bonus Offer, Window Display Service, sales aids (some brand new ones too !), this year's press advertising, and an order form only waiting for you to complete. Send your orders direct as

soon as possible to ensure prompt delivery and quick attention. Make sure you get the Dalmas bonus — besides giving you a big discount, Dalmas means more sales for *you*. Show Dalmas on the attractive counter displays— have your window Dalmas-dressed *free*, and, with Dalmas National press advertising to back you up, you can't fail to make sales !



DALMAS

DALMAS LTD · LEICESTER & LONDON · ESTD. 1823



The ever soaring sales of Diuromil

DIUROMIL has the largest and fastest sale of all effervescent salts especially compounded for the relief of—

RHEUMATISM - LUMBAGO - GOUT - SCIATICA - FIBROSITIS

The reasons :

- 1 A first-class product of proven therapeutic value.
- 2 Backed by a nation - wide press campaign.
- 3 Approved and recommended by the medical profession.
- 4 Recommendations by satisfied users.

DISPLAY DIUROMIL and keep your sales in pace with the soaring National trend.

Very attractive show material gladly sent on request.



&

PATA

PHARMAX LIMITED • GRAVEL HILL • BEXLEYHEATH • KENT



Profit from this POWERFUL ADVERTISING

...in the "Radio Times" Over 19,000,000 potential customers!

That's the readership of the "Radio Times" That's the measure of our advertising support for *you* this coming spring and summer. G.B. Kershaw camera advertising will be appearing regularly, guiding "Radio Times" readers to your shop.

...in the "Amateur Photographer" The photographic press too, will carry advertising, highlighting the 630/450 models.

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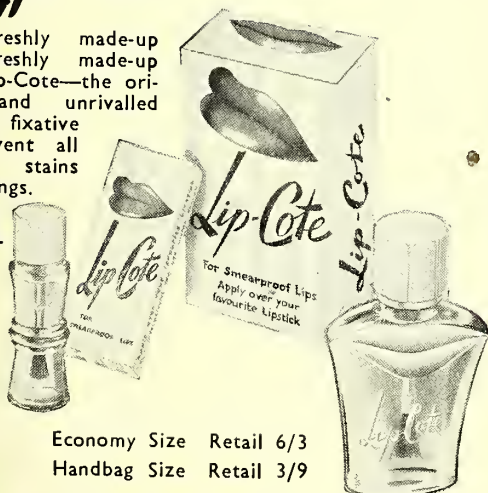


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THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland
and the Pharmaceutical Society of Northern Ireland

Volume 167

March 9, 1957

No. 4020

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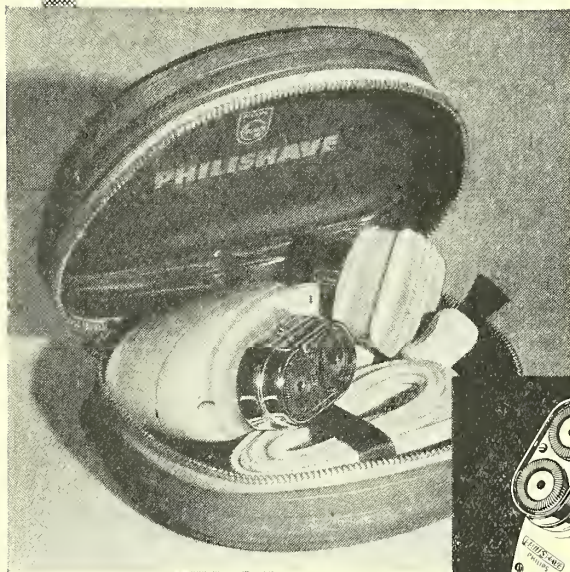
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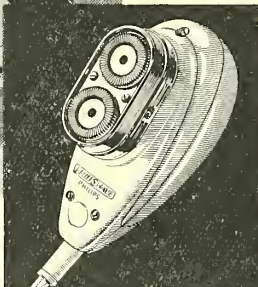
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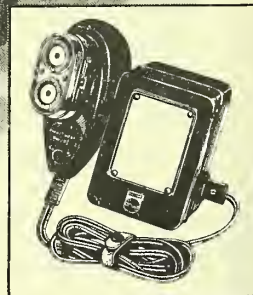


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News of these two extra models will be featured in 'Philishave' publicity from March 1st. Naturally enough, the selection of models now available will widen the appeal of the 'Philishave' even further!

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The CHEMIST AND DRUGGIST

Volume 167

MARCH 9, 1957

No. 4020

Drug Trafficking with EC10's ALLEGATIONS AT CROYDON

TAKING advantage of the temporary residence qualifications provided for under the National Health Service, patients have been going from doctor to doctor obtaining a prescription from each for Dangerous Drugs. The drugs obtained are then sold at exorbitant prices to addicts or consumed personally.

Allegations of such drug trafficking were made at a recent meeting of Croydon Executive Council. In one case investigated, said ALDERMAN H. LOCK KENDELL, a patient had gone to twelve different doctors and obtained drugs from each. Apparently no doctor—called upon under temporary residence qualifications—was aware that the patient had already called on eleven more practitioners. "Some of us feel that this is a clear case where there is a flaw in the law," said Alderman Kendell. MR. S. C. SULLIVAN (clerk to the Council) said that a new system of checking had now been introduced.

Glasgow Pricing Delays

DISAGREEMENT ON SOLUTION

BECAUSE of an unusually large number of resignations among experienced pricers in the Glasgow pricing office the output of priced EC10's has dropped. To effect a balance, the Drug Pricing Committee has suggested that Edinburgh prescriptions should be sent to the Glasgow office for pricing and Glasgow prescriptions to Edinburgh. That has been opposed by Edinburgh Executive Council which suggests that until Glasgow's temporary difficulties are resolved prescriptions from other areas which were formerly priced in Glasgow should be sent to Edinburgh. [There are only two pricing offices in Scotland.]

Distributive Trades

FIRMS TO MAKE STOCK RETURNS

THE Board of Trade dispatched forms on March 1 to about 35,000 companies operating in the distributive and service trades requiring them to make a return of their stocks and capital expenditure (and sales, if engaged mainly in retailing) for the year 1956. The returns do not replace the voluntary information already being supplied monthly or quarterly by a number of firms in those trades. The new inquiry is the first annual inquiry into the distributive and service trades and forms part of the Government's programme of improving existing sources of information about the economic situation (see *C. & D.*, August 11, 1956, p. 139) and completion of the form is compulsory.

Plastics Industry

RECORD OUTPUT AND EXPORTS IN 1956

PRODUCTION and export of plastics by Britain during 1956 were records according to the British Plastics Federation. Output, which has been more than doubled since 1950, reached about 335,000 tons, 11,000 tons more than in 1955. Thermoplastics materials, including PVC, polythene and polystyrene, were responsible for more than 50 per cent. of the output. Exports of plastics materials amounted to nearly 98,000 tons (valued at over £26 millions), a rise of nearly 13,000 tons over the 1955 total. Australia (with imports valued at over £2.75 millions) remained the best market, and India, France, Holland, South Africa, Sweden, Italy and Denmark were other substantial buyers.

Anglo-Japanese Trade

SMALL EXPANSION ENVISAGED

A NEW trade agreement covering the year ending on September 30 has been made between Japan on the one hand and the United Kingdom and its dependent territories on the other. New U.K. import quotas have been arranged for various manufactured goods including cameras, while open general licence facilities have been extended to cover a wide range of items including menthol. Since the last negotiations in October 1955, Japan's sterling position has changed from one of heavy surplus to one of relative stringency, though her balance of payments generally is strong. A small expansion of trade in both directions is expected from the new arrangements.

Bird Photographs

AN EXHIBITION IN LONDON

AN exhibition, "Looking at Birds," is being staged at Kodak House, Kingsway, London, W.C.2, during April. The photographs are the work of Mr. Eric Hosking, F.R.P.S., M.B.O.U., and the exhibition is sponsored by the British Trust for Ornithology, the Royal Society for the Protection of Birds, and



INDIAN HEMP GALORE: The cartons illustrated contained 102 lb. of Indian hemp, valued at £200,000 and seized by Customs Officers during an eighteen-hour search of the s.s. *Prome* which arrived in Dufferin Dock, Belfast, from Liverpool and Rangoon, recently. The *Prome* was bound for Antwerp and it is thought that the Indian hemp was intended for distribution by a Belgian drug ring. The haul was the biggest ever made in an Irish port. It is not known whether the hemp will be destroyed or handed over for medical use.

the Wildfowl Trust. It is being opened at a private view on April 9 by Mr. Peter Scott, C.B.E., D.S.C., after which it will be on show to the public, April 10-18 and 23-27, on Mondays to Fridays, 10 a.m. to 6.30 p.m., on Saturdays, 9.30 a.m. to 12 noon. Admission is free. On show will be more than one hundred photographs taken during the past ten years.

"Beauty Today"

PAINTINGS AT A BEAUTY SHOP

AN exhibition of paintings by Francis Marshall, staged at 24 Old Bond Street, London, W.1, recently, by J. & E. Atkinson, Ltd., was "an attempt to . . . convey to canvas today's femininity, probably more diverse than at any time in history." A prospectus of the show essayed an analysis of the types of beauty depicted—most of them well-known personalities. For example, Doreen Wedderburn, B.Sc., who was shown overalld and using a microscope, was described as "Blue stocking? No! Immensely feminine and charming with a gentle, quiet manner . . . but a sportswoman, too, playing tennis at Wimbledon and for her native South Africa." Of Eleanor Macdonald (a director of Messrs. Atkinson) it was said "Unlike the popular conception of a dynamic business woman, she has the gift of remaining delightfully feminine while maintaining, at high speed, a successful business career. A keen interest in her fellow men and women and diverse social, musical and business activities each contribute to this sparkling personality." There were in all eighteen studies.

Franco-British Congress

ARRANGEMENTS FOR 1957

THE 1957 Franco-British Pharmaceutical Congress is being held at Evian-les-Bains, Lake Geneva, June 14-17. The provisional programme includes a full-day excursion on Lac Lemman, with lunch at Montreux or Lausanne. The total cost of the Congress per person, inclusive of hotel and return fare from London will be £25; or inclusive of Congress and hotel only, for those who wish to make their own travelling arrangements, £5. For those who want to travel as a party, the journey will be by charter plane from London Airport to Geneva (about three and a half hours), leaving London Airport in the afternoon of June 14. The numbers who can be taken by charter plane are strictly limited and members are advised to write to the secretary, Franco-British Pharmaceutical Commission, 17 Bloomsbury Square, London, W.C.1, as soon as possible to make a provisional reservation, which can be confirmed when final details of the programme and the application forms are available.

Packaging of Drugs

SOME PROBLEMS AND THEIR SOLUTION

THE problems arising from the packaging of fine chemicals and pharmaceutical products were discussed by the fine chemicals group of the Society of Chemical Industry at a meeting in London in January.

The speaker was MR. J. L. WINFIELD

(Glaxo Laboratories, Ltd.) and the group's chairman (Dr. B. A. Homs) presided. The lecturer dealt with the criteria governing the choice of packaging materials, and went on to trace the development of the present pack of Glaxo penicillin, showing a stage-by-stage reduction in the vial size and corresponding advance to an interchangeable carton. He showed a plastic pack for ampoules that lessened risk of breakages while taking up less space and involving less packing costs than packs it superseded. At question time, DR. G. E. FOSTER was told by the lecturer that, in the scored ampoules used in the pack, the ampoule neck was strengthened so that the thickness of glass under the score was equal to that of the ampoule body. MR. BIGGS was told that the plastic ampoule container was as cheap as its cardboard predecessor because of labour-saving during inspection and because of savings resulting from standardisation.

Analysts' Officers

RECENT ELECTIONS

OFFICERS elected recently by sections of the Society for Analytical Chemistry include the following:—

SCOTTISH SECTION: *Chairman*, Dr. Magnus Pyke; *Vice-chairman*, Mr. A. N. Harrow; *Secretary and Treasurer*, Mr. J. A. Eggleston, Boots Pure Drug Co., Ltd., Airdrie Works, Airdrie, Lanarkshire.

MIDLANDS SECTION: *Chairman*, Dr. R. Belcher; *Vice-chairman*, Dr. S. H. Jenkins; *Treasurer*,

Mr. F. C. J. Poulton; *Secretary*, Mr. G. V. Cherry, 48 George Frederick Road, Sutton Coldfield, Warwick.

MICROCHEMISTRY GROUP: *Chairman*, M. D. F. Phillips; *Vice-chairman*, Mr. F. Holme; *Treasurer*, Mr. G. Ingram; *Secretary*, Mr. D. V. Wilson, Sir John Cass College, Jewry Street, Aldgate, London, E.C.3.

PHYSICAL METHODS GROUP: *Chairman*, E. J. E. Page; *Vice-chairman*, Mr. R. A. C. Isbel; *Secretary and Treasurer*, Mr. L. Brealey, Boots Pure Drug Co., Ltd., Standards Department, Station Street, Nottingham.

NORTH OF ENGLAND SECTION: *Chairman*, M. A. N. Leather; *Vice-chairman*, Dr. J. R. Edisbury; *Secretary and Treasurer*, Mr. A. C. Wiggins, J. Lyons & Co., Ltd., 5 Laurel Road, Liverpool, 7.

BIOLOGICAL METHODS GROUP: *Chairman*, D. S. K. Kon; *Vice-chairman*, Dr. J. I. M. Jones; *Secretary and treasurer*, Mr. K. L. Smith, Boots Pure Drug Co., Ltd., Standards Department, Nottingham.

IRISH NEWS

Conference Funds

AID FROM DANCES

IN aid of the fifth conference of the International Pharmaceutical Students Federation, Dublin, September 3-13 the Chemists' and Students' Club Foundation Committee is giving half of the revenue from its dances on May 17, June 14, June 28, July 19, August 21 and 30 to the conference funds. The Irish Pharmaceutical Students' Association is holding dances to aid the fund on March 12 and April 3. All the dances are being held in Dublin.

PVP IN COSMETICS

Established and potential uses described

THE organic chemist and the chemical engineer had performed a notable feat in putting a difficult synthesis on a commercial basis and thus making polyvinylpyrrolidone available for industry, said MR. I. GREENFIELD at the fifth meeting of the session of the Society of Cosmetic Chemists held recently.

The unpromising raw materials limestone, coke, water and air had been converted into a substance which was even employed as a replacement fluid for natural human blood during the 1939-45 war. In the manufacture the final stage was one of polymerisation and the point to which that was carried affected the suitability for particular uses. It had been found possible to prepare polymers with molecular weights ranging from about 10,000 to 100,000; the most generally useful products were found in the lower part of that range, but the more highly polymerised grades might find application as thickening agents, although the complicated synthesis would bring the cost to prohibitive limits for general thickening purposes.

Before describing some established and other potential uses of polyvinylpyrrolidone in cosmetic preparations, Mr. Greenfield suggested that although it was not known to have any harmful physiological effects, it would be desirable to investigate that possibility in any new application.

The chief use of PVP in the past had been in hair lacquers and wave sets, the reported sales of PVP aerosol sprays in 1955 in the United States be-

ing between 35 and 38 million package units, some 70 per cent. of the hairspray output of that country. PVP was described as possessing special advantages over the older lacquers; solubility in volatile solvents and in water gave easy application, simple re-setting by using a damp comb or brush and easy removal by shampooing; formation of complexes with dyestuffs combined with substantive action on the hair allowed of temporary tinting, afterwards removable by shampooing; and slight hygroscopicity kept the hair manageable. The nature and concentration of the plasticiser and the concentration of PVP required modification according to hair thickness, degree of crispness desired and the relative humidity of the air of the locality in which it was used. The effectiveness of PVP as a pigment binder and dispersing agent had led to its use in liquid make-up, and also in compressed powder make-up and in mascara. The fact that PVP was substantive to skin and hair suggested that it would be worth while examining its effect in shaving creams, hair creams and shampoos. It was a foam builder and stabiliser.

Mr. Greenfield deprecated extravagant claims for PVP. Some of its applications had become established; others he had mentioned, he commended as worthy of careful examination by the cosmetic chemist. A warning was given that it was important to examine the compatibility of PVP with any perfume it was proposed to include in any formulation.

NEWS IN BRIEF

EDINBURGH Executive Council has agreed to remove the name of Mr. J. M. Paterson, M.P.S., from its pharmaceutical list at his own request.

SALES by the National Co-operative Chemists, Ltd., through sixty-one branches in 1956 amounted to £668,289.

THE rateable value of the pharmacy of Mr. N. Kroll, M.P.S., 48 Seeley Drive, London, S.E.21, was reduced recently from £300 to £225 by the South-east London valuation panel sitting at Camberwell.

GHANA (the Gold Coast) celebrated its independence and became a member of the British Commonwealth on March 6. An article on pharmacy in Ghana appears on p. 275.

ARSENICAL compounds have been added under the Agriculture (Poisonous Substances) (Arsenical Compounds) Order, 1957 (S.I., 1957, No. 320) to the poisonous substances to which the Agriculture (Poisonous Substances) Act, 1952, applies.

WHILST the local telephone system was out of order recently, because of flooding, Mr. F. S. Hopwood, M.P.S., 6 Hall Croft, Shepshed, Leics. had an order for drugs dispatched from a Fire Service radio vehicle and passed on to his wholesalers in Derby. The drugs arrived the following morning.

A STANDARD specification for high-density polythene tube for cold water services and future possibilities in the use of special grades of nylon tube for hot-water services are under consideration by the general extrusions technical committee of the British Plastics Federation.

OFFICERS of the London Chemists' Golfing Society elected at the annual meeting on February 21, were: *President*, L. D. Smith; *Captain*, G. H. Young; *Vice-captain*, E. G. Nice; *Secretary-treasurer*, A. S. Jerwood; Summerfield Chemical Works, Wharf Road, Ponders End, Enfield, Middlesex.

THE National Chamber of Trade is advising its members to tell their Members of Parliament that the organised retailers of Britain are anxious that the new Shops Bill should be adopted and that the amended closing hours are in accordance with the wishes of a vast preponderance of the members of the National Chamber.

THE proposed European Free Trade Market would enlarge the market for Imperial Chemical Industries, Ltd., rather than reduce it, said Mr. D. H. Carter (joint managing director, general chemicals division), recently. He was confident that the company would be able to hold its own against all other producers, including Germany.

THE Scientific Film Association is organising a three-day conference at the French Institute, South Kensington, London, S.W.7, April 4-6, on how film and television can do more to introduce and interpret science to the man in the street. Inquiries about the conference should be made to the Scientific Film Association, 164 Shaftesbury Avenue, London, W.C.2.

TOPICAL REFLECTIONS

By Xrayser

Anatomy

In a note last week dealing with the examination syllabus, I made bold to suggest that that part dealing with pharmacognosy might with advantage be pruned. Now I see (p. 228) that Professor D. M. Dunlop (Privy Council visitor to the examinations in Scotland) has recommended that some of the more detailed instruction in that subject could be eliminated. But whereas my criticism was based on objections to a possible overloading of the syllabus, Dr. Dunlop's reason for a cutting-down of pharmacognosy is to leave time for the imparting of a course of lectures on elementary human anatomy—not, I gather, as an examination subject, but as a key to physiology. In his opinion physiology without anatomy cannot be fully understood. I am insufficiently informed in either subject to express an opinion, but am prepared to be guided in the matter by Dr. Dunlop. But I seem to remember that physiology was originally introduced into the curriculum in much the same manner—to assist the student in his understanding of the actions of drugs—and before long it had assumed proportions far beyond what was originally intended. Would that danger, if it be a danger, not soon apply to anatomy? Presumably Dr. Dunlop would guard against the contingency, for he has on occasion reported unfavourably on the examinations as being a test of endurance rather than of scholastic ability.

List of Prices

The feature headed "C. & D. Weekly List of Prices" repays careful study at the present time, for we are in the midst of a wave of price increases, not all of which are notified direct to the retailer. There appear to be certain well-defined periods when such increases break out in epidemic form, and we are undergoing one such just now. If it is the "plateau" about which we were told a few months ago, it looks singularly uneven on closer acquaintance. Some of the prices rise dramatically, like the thermometer on a hot day, while others creep up in a relatively swift succession of small increases, suggesting that the authors are anxious to cushion the public against shock. I was particularly grateful for a notification in your column in regard to a certain proprietary medicine, for I read it on the same day as the firm's representative had called and left a price list which gave no indication of the change. It is my intention to recommend him, on his next visit, to subscribe to THE CHEMIST AND DRUGGIST, and to read the weekly list of prices. I feel sure he will be grateful for the thoughtful advice, which will be proffered in the most friendly manner. Such consideration may not fall to his lot everywhere he goes, and I already feel the warm glow of virtue when I anticipate our next meeting—at least I hope it is virtue and not one of the more unworthy emotions. I strongly advise your readers to study the price list each week.

Rutherford Hill

The portrait of the late Mr. J. Rutherford Hill on p. 231 must have awakened memories in the minds of many of your readers, for Hill was to be seen at Conferences all over the kingdom. The Scottish Department is to be congratulated on its decision to commemorate the centenary of his birth by making him the subject of an address to an evening meeting. We are perhaps too close to his time to make a proper assessment of his position in the history of pharmacy, but there is no doubt of his stature. He died in the Pharmaceutical Society's centenary year, and had been connected with pharmacy for the long period of seventy-one of that first hundred years. The address given by Mr. Eric Knott gives us glimpses into his life and work which would be unknown to perhaps all but a few, and the centenary was an appropriate time to put the facts on record. It is a pity that Hill did not see fit to leave an account of pharmacy and its development—he could have told us much—but at a time when most men would have been writing their memoirs he was still actively looking forward.

ART AND SCIENCE OF THE PERFUMER

Address to Hounslow Branch of Pharmaceutical Society

THE theory of odour perception was discussed by MR. J. PICKTHALL at a recent meeting of Hounslow Branch of the Pharmaceutical Society. The ear and eye, he said, could cater for a relatively small number of vibrations but the nose could identify an unlimited number of odours. The material to be smelled must be volatile so that the molecules could reach the nose, and it was more than possible that the millions of hairs in the sensory cells played a part in odour perception. It was possible that the chemical nature of an odour depended upon its solubility in the water and lipid layers and that "holding" effect decided the vibrations which proceeded to the brain.

Perfumes Without Floral Connections

Perfumes, he said, were now used in many industries, often to disguise any one odour or simply to offer a more acceptable product. Examples were found in rubber, plastics, disinfectants, textiles and a host of other materials. Raw materials used in perfumes were obtained either from natural sources such as plants or animals, or were made synthetically. The main raw materials were essential oils obtained from plants, flowers, peels, berries, leaves, twigs, wood, bark and roots. Ambergris was obtained from whales, musk from the deer, civet from the civet cat and castoreum from the beaver. Many chemicals present in natural oils had been synthesised, but many thousands of new chemicals had been made, each with a particular odour of its own. Practically every floral odour had been produced, but modern perfumes also depended upon hundreds of synthetics which had no floral connection.

Recurrent "Notes"

Almost all perfumes included the four floral notes, jasmine, rose, lilac and lily of the valley, and those four included in their structure many chemicals common to one another. The resulting blend might be further modified by other floral notes such as carnation, lavender, violet and hyacinth to which could be added the green notes, typifying the leafy odours and, finally, the sophisticated or aldehydic notes so beloved of the French. Such a first class perfume contained anything from fifty to several hundred ingredients. Individual ingredients might occur to the extent of only a fraction of a percentage or up to 20 per cent. of the total. Each ingredient would have a different rate of evaporation and when such oils or chemicals were placed on fabrics or on the skin, they would last different lengths of time. The art of perfumery was to mix many ingredients so that they blended into one homogeneous product and maintained as long as possible the same overall odour. Such odours should float away gently and smoothly and not in sharp, clear cut steps. The residue from any perfume, the speaker said, would differ after several hours from the original odour, but whilst perfection in odour distribution would

never be obtained, the good perfume would always give a pleasing impression whatever the change in odour. The formula for the creation having been established, the blend was then dissolved in the purest available alcohol, with the addition of as much water as possible, because its presence would tend to kill the rawness of the alcohol and modify the general rates of evaporation.

Blending or ageing, whilst not fully understood, was less of a mystery than one was led to think. The chemical

reaction between the ingredients of perfume took place solely to form compounds not previously present and, furthermore, certain chemicals reacted with the alcohol so that the odour of the solution changed with time, usually giving rise to a smooth character of the blend. The physical blending effect, said the speaker, took place immediately the various ingredients were mixed due to the physical attraction of one ingredient for another and the selection of suitable ingredients was part of the art of the perfumer.

Perfumes for creams, powders, soap each presented special problems of stability of odour and colour.

BRANCH AND ASSOCIATION MEETINGS

PLYMOUTH

Cosmetic Evening

MEMBERS' wives and staff augmented the numbers at a recent meeting of Plymouth Branch of the Pharmaceutical Society when the evening was devoted to a beauty and cosmetic talk and demonstration. Miss M. Mabin (Max Factor Hollywood and London (Sales), Ltd.) was the speaker. An appeal on behalf of the Society's Benevolent Fund realised over £5.

CROYDON

365 Days of D. and P.

A COMBINED meeting of the Croydon Branch of the Pharmaceutical Society, the Croydon Pharmacists' Association, and the Photographic Dealers' Association was held on February 22 when the guest speaker was Mr. André Page (editor, the *Photographic Retailer*). The subject was "365 days of D. & P.", and suggestions were made of how to increase photographic business throughout the 365 days of the year. Thirty members attended, and the vote of thanks to the speaker was proposed by Mr. R. Swindells. Miss A. M. J. McCarthy (president, Croydon Pharmacists' Association) was in the chair.

BRADFORD

Presentation to "Harry t'Chemist"

At the meeting of the Bradford Branch of the Pharmaceutical Society on February 21 Dr. A. Brunton (director of medical services, Pfizer, Ltd.) gave an address on corticosteroid therapy. Dr. Brunton also showed two medical films, "Dynamics of the Tubercle" and "Nephrosis in Children." Following the meeting, Mr. D. Willis (Pfizer area representative) presented, as a symbol of his company's esteem, a pipe and tobacco jar to Mr. Harry Robinson, the centenarian pharmacist of Baildon, affectionately known to several generations in the district as "Harry t'Chemist." Mr. Robinson celebrated his 100th birthday in October 1956 (see C. & D., October 27, 1956, p. 457).

NORTH METROPOLITAN

Action Committee Development

MR. W. J. LAXTON (chairman, North Metropolitan Branch of the National Pharmaceutical Union), in a *résumé* of the year's activities at the annual meeting of the Branch recently, said

that he hoped it would be possible to develop still further the Chemists' Federation action committee. He recommended that consideration should be given to the holding of meetings in the various areas of the branch to encourage local members to attend. The basis and the problems of pricing National Health Service prescriptions were dealt with by MR. J. CHARLTON (superintendent, Central Checking Bureau). He described the progress of the prescriptions from the time that they were received at the pricing bureaux to the posting of the payer's cheque.

LIVERPOOL

Counting the Cost

LIVERPOOL Chemists' Association and Branch of the Pharmaceutical Society had a varied programme for their meeting on February 21. A showing of the film "Counting the Cost" was followed by the screening of colour photographs taken by Dr. Harold Davis, C.B.E. (chief pharmacist, Ministry of Health during his visit to the Gold Coast (created on March 6 the independent state of Ghana) last year to make a pharmaceutical survey for the Gold Coast Government. Dr. Davis and Miss E. M. Holmes (superintendent, Liverpool Pricing Bureau) were present at the meeting, which was presided over by Mr. B. M. Kelly (president). Replying to questions MISS HOLMES said that about half the prescriptions were received by the pricing bureau by the third of the month and others later. If the contractor was continually late in sending in his prescriptions, they were held over to the following month. DR. DAVIS said that there was one chemist from whom there was difficulty in getting prescriptions once a year, but that was an exception. MR. E. A. BRIGGS suggested that pricing procedure would be simplified if there was a reasonable average for all prescriptions, to be reviewed periodically. MR. J. P. MURPHY raised the question of the complicated fee and asked "why not pay a simple fee?" DR. DAVIS said he was only too sorry that there was not a simple fee. He sincerely hoped that very soon there would be a rearrangement of fees that would be simple and which would ensure that there would be no fall in the average value of fees if proprietaries increased. MR. N. A. HERDMAN proposed a vote of thanks to Dr. Davis and Miss Holmes.

LEGAL REPORTS

After-hours Lipstick Sale

THROUGH a solicitor, Benjamin (Chemists), Ltd., 190 Stoke Newington Church Street, Stoke Newington, N.16, pleaded guilty at North London magistrates' court on February 18 to a charge of failing to close their shop for the sale of face powder and lipstick on the evening of December 6, 1956. The magistrate commented: "No one has yet said that face powder and lipsticks are a meal or refreshment." "It might be said they are medicines, or something of the sort, because some ladies need them to keep going," said the defending solicitor, who stated that the shop was open between 7 and 8 p.m. to run a dispensing service. Mr. Benjamin, a pharmacist, was in the shop, but it was a young lady assistant who made the sale. She apparently did not realise it was an offence. Reported not to have been summoned before, the company was granted an absolute discharge on payment of £2 2s. costs.

Making a Habit of It

BELIEVING that a Hereford man who was admitted to the Radcliffe Infirmary, Oxford, with a suspected ruptured kidney was in great pain, the surgical registrar administered three drugs to him, it was stated at Oxford on February 12 by a police inspector. The patient said he had been involved in a road accident. The next morning a casualty officer, looking at the man's progress charts, recalled that a similar story had been told by a man at a Cambridge hospital. He concluded that the patient was only feigning that he was injured. The man, Frederick R. Hargest, Belmont Road, Hereford, a transport driver, pleaded guilty to obtaining from the United Oxford Hospitals by means of a false pretence, morphine, pethidine and atropine, worth 1s. 5d. He was committed to the Oxford City quarter sessions for sentence.

Alleged Theft of Goods to Sell

ALLEGED to have stolen toilet and medical requisites with the intention of selling them in his own shop, Gordon Frazer, 8 Sutton Road, Hull, trading at Hessele Road, Hull, was committed for trial at the quarter sessions when he appeared at Hull magistrates' court recently. Frazer pleaded not guilty and reserved his defence. A police constable stated in evidence that, in examining lock-up property in Beverley High Road, Hull, he went into the yard at the rear of No. 860. He saw Frazer walking towards him, carrying two brown-paper parcels. Resting on a nearby window ledge was a large wooden box containing packages. The constable alleged that Frazer placed the parcels on the wooden box and said: "I'll put them back." Frazer admitted having been in the shop and said he had gained entry through an open casement window. He added, it was alleged: "I only took them to show him how foolish he is. I own the property and he rents it from me. I was going to teach him a lesson for leaving the window open." Frazer added, said the police officer, that he had been "walking around because he

could not sleep, having a lot on his mind." Frazer also said that a number of keys in his possession were from his shop in Hessele Road. One key fitted the shop in Beverley High Road, however, and when told it was suspected that he had used the key to enter the premises, Frazer said that he had no key to fit the door. It was alleged further that, when seen at Hull central police station, Frazer admitted that he was in financial difficulties.

Merchandise Marks Act Fine

At Dorchester, recently, Rowntree & Co., Ltd., York, were fined a total of £50 and ordered to pay £10 10s. costs for an offence under the Merchandise Marks Act, 1887, as amended. The prosecution represented that the description "increased weight" was likely to lead the public to believe that they were getting more sweets for their money in the new one shilling size packet than they had received for the old price of 10½d.—in other words that the label, while not telling an untruth, told only a part of the truth, and in a way likely to give a misleading impression. The label statement was likely to be understood by the public either as an indication that the weight and price of the product had been increased in direct proportion to each other, or that the weight had been increased so as to be greater in proportion to the price. The defence claimed the description "increased weight" would in no way lead an ordinary sensible member of the public to think that the ratio of price and weight had gone up in proportion. The chairman of magistrates said the Bench felt the description would or might have led the public to believe that they were getting more for their money than previously; they considered, however, that there was no intention to deceive and that a comparatively small fine would meet the case.

Convicted Despite Theft Denial

Two assistants of Boots, Ltd., Oxford Street, London, W.1, were recently fined 40s. for stealing a 14s. jar of Sanatogen from their employers. One, seventeen-year-old Judith Bastin, pleaded guilty and was told by the magistrate: "Make this the last time you are dishonest. I hope you won't be dismissed, but you may be." The other, Mrs. Ruth Franklin, Oxford and Cambridge Mansions, Marylebone Road, who said she had divorced her husband twelve months previously, denied the theft. The manager of the branch (Mr. David Auld Patterson, M.P.S.), explained the system for staff purchases and said that, on February 2, in consequence of what he had been told, he searched some staff lockers and found in the locker of Mrs. Franklin a 14s. jar of Sanatogen. There was no staff purchase slip relating to it, but Mrs. Franklin had purchased a 7s. 6d. jar of Sanatogen on the previous Friday. After 1 p.m. the 14s. jar had gone from the locker. On the Monday the 7s. 6d. jar was in the locker, but not the 14s. jar. When interviewed, Mrs. Franklin denied that she had had a 14s. jar. At her request he left the

room, leaving her with a security officer. The officer said that, after Mr. Patterson left the room, the accused admitted that she had taken the 14s. jar from the stockroom and asked him if she could pay for it. Later, he and a police officer accompanied her to her address and she handed over a 14s. jar. Cross-examined by defending solicitor, the officer agreed that Mrs. Franklin had shown him some money in the pocket of her overall and admitted she might have told him that she had intended to pay for the 14s. jar that day. Mrs. Franklin, on oath, said that, following an operation in 1955, she had not been in good health and had been advised to take Sanatogen. She purchased a 7s. 6d. jar and finding that it seemed to do her good, decided to try some more. She ordered it from Miss Bastin and, what was not uncommon between assistants, left it to her to make out the staff purchase slip. While she was in the toilet-stockroom, Miss Bastin, who was in the surgical stockroom, handed her the 14s. jar. At the time she was not able to pay for it, but, knowing that she had £4 of alimony to collect that day, took the jar home with her after putting it in her locker. During the morning she had reminded Miss Bastin about making out the purchase slip. On the Monday, when starting duty, she put 16s. into the pocket of her overall to pay for the jar and went to her counter. The senior assistant told her to finish her "fill-up" (requisition from stock) quickly and, before she had the opportunity to pay for the jar, the manager spoke to her about it. At first she had said she knew nothing about it, but that was because she did not want to get Miss Bastin into trouble. When she showed the security officer the money and asked to pay, he said, "It's too late now." Mrs. Franklin, a woman of excellent previous character, said she never intended to steal the 14s. jar, but the magistrate said he had no hesitation in convicting her.

On Probation

At Halifax borough magistrates' court, recently, Joan Smith, Halifax, pleaded guilty to three counts of embezzling money received on behalf of her employers, Timothy Whites & Taylors, Ltd., Southgate, Halifax. The prosecution said that the offences revealed systematic fraud by a person placed in a position of trust. The accused asked for four further similar offences to be taken into account, the total involved being over £26. The prosecution stated that Miss Smith had risen to the position of senior assistant, and had been given special responsibility for dealing with staff purchases. Another assistant was responsible for obtaining the list of staff purchases each week, and it was the duty of Miss Smith to go round and collect the money. During a period of nine weeks she defaulted, helping herself to those moneys. A redeeming feature of the case was that the whole of the money had been repaid by the father of the girl, and she agreed to be placed on probation for a year.

IN PARLIAMENT

BY A MEMBER OF THE PRESS GALLERY, HOUSE OF COMMONS

MR. IAIN MACLEOD (Minister of Labour) announced in the House of Commons on February 28 that he had appointed a committee of inquiry to consider the existing legal provisions concerning the importation of goods infected or likely to be infected with anthrax and the precautions to be taken in connection with such imported goods for the protection of the health of persons and to make recommendations.

Royal Commission on Doctors' Pay

MR. HAROLD MACMILLAN (Prime Minister) announced on February 28 the terms of reference of the Royal Commission on doctors' and dentists' remuneration (see *C. & D.*, March 2, p. 233) as follows:

(a) How the levels of professional remuneration from all sources now received by doctors and dentists taking any part in the National Health Service compare with the remuneration received by members of other professions, by other members of the medical and dental professions, and by people engaged in connected occupations; (b) what, in the light of the foregoing, should be the proper current levels of remuneration of such doctors and dentists by the National Health Service; (c) whether, and if so what, arrangements should be made to keep that remuneration under review; and to make recommendations.

Smoking and Lung Cancer

During an adjournment debate on smoking and lung cancer in the House of Commons on March 1, Mr. J. K. VAUGHAN-MORGAN (Parliamentary Secretary to the Ministry of Health) said that out of 518,000 deaths in England and Wales in 1955, 17,000—out of 91,000 for all forms of cancer—were due to lung cancer. That 17,000 compared with 28,000 for bronchitis and 70,000 for coronary disease and angina, apart from other forms of heart disease. Lung cancer figures continued to show a steady increase which had varied from 8.7 to 8.2 per cent. over the past five years. The Government was spending £364,000 a year on cancer research of all kinds through the Medical Research Council alone. Research was also going on in hospitals and universities all over the country.

Prescription Charge

MR. B. JANNER asked the Minister of Health on March 4 if he was aware that old-age pensioners had to pay a shilling for a prescription for lotion lint bandage which cost only threepence. MR. D. VOSPER (Minister of Health) replied that there was no bandage answering that description prescribed by the pharmaceutical services. If a person could buy something prescribed for him for less than a shilling it was open for him to do so. THE MINISTER told MR. A. BLENKINSOP that the average cost per prescription in December 1956 was 5s. 6½d. which was about elevenpence more than in December 1955. A great part of that increase occurred before the new prescription charge was introduced and it was also due in part to the increased

chemists' remuneration and the release of new drugs such as cortisone. Only in part was it due to the new levy.

New Health Service Contribution

MR. D. VOSPER (Minister of Health) told MR. M. LIPTON on March 4 that the additional weekly contribution to be paid by an employed man towards the cost of the Health Service would be eightpence, making his share of the total weekly National Insurance and National Health Service contribution 7s. 5d. MR. VOSPER told MR. E. THORNTON, in a written answer on March 4, that the employer's contribution would be increased by twopence.

Shops Bill

When the Shops Bill was further considered in committee in the House of Lords on March 5, the Government agreed to an amendment to Clause 64 to permit the continuance of any custom whereby it was the practice to carry on retail trade on a bank holiday and for the holiday to be taken another day. The amendment would enable local authorities to make an order whereby shops could close on the bank holiday Tuesday and open on the customary half-day's holiday in the weeks preceding and following the bank holiday.

The Customs Duties (Dumping and Subsidies) Bill was given a third reading and passed in the House of Commons on February 27.

COMPANY NEWS

Last year's figures in parentheses.

ALLEN & HANBURY, LTD.—Treasury consent has been obtained for an issue of 162,800 £1 Ordinary shares at 45s. each. The shares are to be offered to Ordinary holders registered on February 28 on a one-for-two basis.

UNILEVER, LTD.—Final dividend on Ordinary capital is 11½ per cent. (9½ per cent.) making 17½ per cent. for 1956 (against 15½ per cent.). Group net profit is £25,253,000 (£22,915,000) of which the parent company's profit is £11,609,000 (£10,347,000). Together with its Dutch associate (Unilever, N.V.), combined trading profits throughout the world are estimated at £98,977,000 (£85,455,000) from a turnover of £1.671 millions (£1.515 millions).

R. B. PULLIN & CO., LTD.—Group trading profits for year ended September 30, 1956, were £151,927 (£141,221) and after special credits of £2,406 (£29,909) the untaxed balance was £154,333 (£171,130). In his annual statement the chairman (Mr. R. B. Pullin), tells holders that in order to strengthen the company's commercial interests the board had agreed to acquire Aldis Brothers, Ltd. He also mentioned that Messrs. Pullin had secured an exclusive licence to produce in Great Britain a selected range of units manufactured by the Kearfott Co., Inc. (a subsidiary of General Precision Equipment Corp. of America). The Corporation had been granted an option to subscribe for non-voting Ordinary shares in Messrs. Pullin on a

basis which ensures that there is no possibility of direction or control passing into its hands.

New Companies

P.C. = Private Company; R.O. = Registered Office

B. J. BROWNING, LTD. (P.C.).—Capital £1,000. To acquire the business of a pharmaceutical chemist carried on by Bertram J. Browning at New castle under Lyme, Staffs, etc. Directors: Bertram J. Browning, M.P.S., and Ethel Browning.

R. HECKSHER & CO., LTD. (P.C.).—Capital £250. To carry on the business of merchants of and dealers in chemicals and chemical products of all kinds, etc. Directors: Rudolph Hecksher and Erna S. Hecksher. R.O. Heathbank, Woodhead Road, Glossop, Derbys.

BUSINESS CHANGES

SILMOR DISTRIBUTING CO., has removed to 16 Cosway Street, London N.W.1.

ALEX. ALLAN & CO. (John L. Say), is removing to 118a The Broadway, Wimbledon, London, S.W.19 (telephone: Cherrywood 4363), on March 16.

THE sales offices and order departments of the south-eastern region of Philips Electrical, Ltd. (previously located at Great Queen Street, 9 Oxford Street, and Shaftesbury Avenue, London) have been transferred to 1 Gerrard Place, London, W.1 (telephone: Gerrard 9941), with the trade counter entrance in Horse and Dolphin Yard, Macclesfield Street.

Appointments

SALISBURY PRECISION ENGINEERING, LTD. (part of the Hestor group of companies), 1 Buckingham Palace Mansions, London, S.W.1, have appointed Mr. C. G. C. Thomas sales manager. (Mr. C. Chester-Browne continues as sales manager, Heston Equipment Co., Ltd.)

DUNCAN, FLOCKHART & CO. LTD., Wheatfield Road, Edinburgh have appointed Mr. Nicholas Herdman, M.P.S., their general manager. Mr. W. J. Gray, M.P.S., remains manager at the head office in Edinburgh and Mr. J. Cooper, M.P.S., manager at the London office.

ABBOTT LABORATORIES, LTD., 3 Wadsworth Road, Perivale, Greenford, Middlesex, announce that Mr. A. H. Newcombe, M.P.S., who joined the company in 1949 as sales manager has been appointed general manager. Mr. G. Hearn is to take over the position of sales manager and he will be assisted by Mr. D. J. Carr (hospital sales manager) and Mr. P. T. Sullivan (an assistant sales manager).

OVERSEAS VISITS

MR. ANTHONY F. COX (chairman, Arthur H. Cox & Co., Ltd.), is sailing for New York on April 24 on a business mission and goodwill tour. From there he flies to Los Angeles, the return trip probably being made via Chicago to New York, whence he will return home by sea towards the end of May.

PERSONALITIES

MR. J. O. JOHNSTONE, M.P.S., Wallingford, Berks, has been elected vice-chairman of Wallingford chamber of trade.

MR. G. K. LENTON, M.P.S., outlined the history of pharmacy when he addressed members of St. Giles Men's Fellowship, Lincoln, recently.

MR. G. G. HAMMOND, M.P.S., Bradley & Bliss, Ltd., wholesale chemists, Reading) has been elected to the council of Reading chamber of commerce.

MR. M. CALTHORPE (managing director, M. Calthorpe & Co. (Export), Ltd., manufacturing chemists) has designed a motorised "house" complete with twin beds, sink, cooking stove, flush toilet and bath.

DR. F. HARTLEY (scientific services director, The British Drug Houses, Ltd., and chairman of the British Pharmaceutical Conference, 1957), has been elected treasurer of the Chemical Council by the Royal Institute of Chemistry, the Chemical Society and the Society of Chemical Industry.

SIR DAVID SCOTT CAIRNS, Q.C. (chairman of the Statutory Committee of the Pharmaceutical Society) has been appointed recorder of Sunderland. Sir David was called to the Bar, Middle Temple, in 1926 and took silk in 1947. He was chairman of the Monopolies and Restrictive Practices Commission, 1953-56.

MR. J. I. CRABTREE, an authority on photographic chemistry, has retired after forty-three years with the Eastman Kodak Co. research laboratories. British-born, Mr. Crabtree was assistant head of the applied photography division of the Eastman Kodak research laboratories. He founded the department when he went to Rochester, U.S.A., from England, in 1913. Mr. Crabtree's main work has been in the fields of chemistry and equipment for the processing of photographic films and papers. Mr. Crabtree was president of the Society of Motion Picture and Television Engineers, 1930-31. He is a fellow of the Royal Photographic Society, the Royal Institute of Chemistry, the American Association for the Advancement of Science, the Society of Photographic Engineers and the Photographic Society of America.

DR. K. CARTER, M.R.C.S., L.R.C.P., F.R.S.M., M.P.S., who is leaving England to join Ames Company, Inc., of Elkhart, Indiana, as scientific director, will be responsible for the co-ordination of the company's medical activities with the research and development programmes. Dr. Carter was born in Morecambe, Lancs, and was educated at Manchester Grammar School. He was a pharmaceutical apprentice at Thompson & Capper, Piccadilly, Manchester, and studied pharmacy at Manchester University, qualifying in 1937. After several years in the pharmaceutical industry, he studied medicine at University College Hospital, London, and qualified in 1947. Previous to joining Messrs. Ames, he served with Smith, Kline & French International Company in Philadelphia, first as a research consultant and then

as director of development. He was later transferred to London as medical director and director of development research to create new clinical research and development facilities for Messrs. Smith, Kline & French in England. He strongly believes in the advantages of collaboration between the medical profession and scientists in the universities, hospitals and general practice and those in the pharmaceutical industry, and has worked actively toward this end. In 1948 he was appointed to the board of Glaxo Laboratories, Ltd., Argentina, in charge of medical and scientific activities. Prior to that, Dr. Carter served for two years in succession to Dr. Frank Hartley as a research liaison officer and secretary to the Therapeutic Research Corporation of Great Britain, Ltd. He joined Glaxo Laboratories, Ltd., in late 1937 and worked successively in the sales department as a representative, in the technical research department, in the production department and in the department of experimental medicine. In all, he has had twenty-two years' wide experience in the pharmaceutical industry and medicine in America, Britain and Argentina.

DEATHS

DENSLEY. — On March 3, Mr. Edward George Densley, 92 Powys Lane, London, N.13, aged seventy-two. Mr. Densley was senior director of W. C. Brumley, Ltd., drug importers and exporters. He was connected with Mincing Lane for over fifty years.

GOWER. — At Westminster Hospital on March 1, Mr. Ronald P. Gower, 54 Elmbourne Road, Tooting, London, S.W.17, aged seventy-nine. Mr. Gower was for many years a partner of Messrs. Butler & Crispe, having retired about seven years ago after over sixty years service.

GREENWAY. — On February 14, Mr. Claude Roland Greenway, M.P.S., 88 Charninster Avenue, Bournemouth, Hants, aged fifty-two.

GRIFFITHS. — Recently, Mr. Thomas Leslie Griffiths, M.P.S., 52 Alexandra Road, Windsor, Berks. Mr. Griffiths qualified in 1930.

HODGSON. — On February 6, Mr. William Emmerson Hodgson, M.P.S., 6 Green Lane, Killamarsh, Derbys, aged sixty-four. Mr. Hodgson was a former secretary of the Tees-side Branch of the Pharmaceutical Society. At that time he was also a director and manager of Middleton, Ltd., Middlesbrough. For the past year he had been a director and the superintendent of R. H. Fairburn, Ltd., Kiveton Park.

LEVISON. — On February 19, Mr. Kenneth Elkanan Levison, M.P.S., 16 Vine Street, Kersal, Salford, 7, Lancs, aged thirty.

McCLELLAND. — At his home, Epworth, Ballyshannon, co. Donegal, on March 2, Mr. Henry Thompson McClelland, M.P.S.I. Mr. McClelland qualified in 1921.

MOORE. — On February 3, Mr. William Moore, M.P.S., 12 Woodland Road, Levenshulme, Manchester, 19, Mr. Moore qualified in 1901.

INQUESTS

Child on Tip-toe Reaches Tablets. — At Eltham, recently, the south-east London coroner recorded a verdict of accidental death on a two-year-old boy who died from taking aspirin tablets which his four-year-old sister had reached from a mantelshelf by standing on tip-toe. A pathologist said that the boy had probably eaten ten or more tablets.

Sleeping Tablets When "Tranquillised." — An open verdict was returned at a Woking, Surrey, inquest recently on Mrs. B. Squance who had died from taking an overdose of sleeping drugs. A pathologist said that a tranquillising drug which Mrs. Squance was known to have taken was a mild intoxicant that "produced an irresponsible attitude." He thought she might have become confused after taking it and have taken the overdose of sleeping drugs unintentionally.

Five Doctors Give Evidence. — At an inquest at Keighley, Yorks, recently, on sixty-two-year-old Mrs. Elsie Davids, Eldwick, nr. Bingley, who died in Keighley Victoria Hospital on October 6, 1956, Craven district coroner recorded an open verdict. Five doctors had given evidence at the inquest. The coroner said that, after consultations with specialists, Mrs. Davids had been given Equanil (meprobamate) tablets to take. She took two tablets on the evening of October 4, two on the following day, and two more at about 11 p.m. On the morning of October 6, she was found in a collapsed condition by her husband on the bedroom floor, became unconscious before arrival at hospital, and died later the same day. A doctor carried out a *post-mortem* examination, which failed to reveal the cause of death. Considerable investigations had been carried out by the doctors concerned, as well as by the forensic science laboratory, Harrogate. All those inquiries had failed to establish a definite cause of death, but it was perhaps significant that, while the inquiries were being carried out, there had been a reference in a medical journal to three other cases in which patients apparently showed unusual symptoms after having commenced a series of doses of meprobamate. Evidence had been given by a number of doctors that the drug was recorded as safe and had been taken frequently with no ill-effects. It would probably be unwise to jump to conclusions that it necessarily played any part in the death of Mrs. Davids. "I clearly have no alternative but to return an open verdict. I have no doubt that the manufacturers of the drug will carefully consider all the evidence which is available in this case and the evidence of doctors in other recorded cases to satisfy themselves that there are no conditions in patients which may make the patient react unfavourably." The medical director of John Wyeth & Bro., Ltd., declared that the drug had proved to be an extremely safe drug. He had heard of people trying to commit suicide with it and in all cases they had recovered. It was not on the danger list of drugs, though pharmacists sold it only on prescription.

TRADE NOTES

Closed for Stocktaking. — The premises of Butler & Crispe, Ltd., 80 Clerkenwell Road, London, E.C.1, will be closed for stocktaking on Thursday, March 28.

Cartons for Foil-wrapped Tablets. — Briggs & Bamforth, printers, Kings Avenue, Leeds, 6, have available as a stock line cartons for dispensing foil-wrapped soluble aspirin and compound codeine tablets.

Prices Stabilised. — The Ever Ready Co. (Great Britain), Ltd., Hercules Place, London, N.7, announce that prices and discounts on Ever-Ready batteries are unchanged at present list rates.

Tablets of Benactyzine. — Camden Chemical Co., Ltd., 61 Gray's Inn Road, London, W.C.1, are marketing tablets of benactyzine hydrochloride, 1-mgm., in bottles of 100 and 1,000 sugar-coated tablets.

Anti-glare Spectacles. — Greebex, Ltd., 217 Tooting High Street, London, S.W.17, are the makers of Nighthawks anti-glare spectacles for night driving and television. The glasses provide protection for the eye against all ultra-violet light rays.

Distributors No Longer. — The pharmaceuticals division of Imperial Chemical Industries, Ltd., ceased to distribute as from March 2 the penicillin products of the Distillers Co. (Biochemicals), Ltd., Broadway House, Broadway, Wimbledon, London, S.W.19.

Cartridge Pack. — Glaxo Laboratories, Ltd., Greenford, Middlesex, announce that cartridge packs of stabilised injection of Dimycin are now available. The pack is a wallet of ten 2-c.c. cartridges each containing 0.5 gm. streptomycin and 0.5 gm. dihydrostreptomycin sulphates.

Distribution as Before. — R. B. Pullin, Ltd., Phoenix Works, Great West Road, Brentford, Middlesex, have acquired Aldis Bros., Ltd. Wholesale

distribution in Great Britain and Northern Ireland will remain in the hands of Neville Brown & Co., Ltd., 77 Newman Street, London, W.1.

A More Convenient Pack. — The Sanoid hæmorrhoid treatment (suppositories and tablets) manufactured by Cuxson, Gerrard & Co., Ltd., Oldbury, Birmingham, is now presented in a more convenient (and elegant) transparent-wrapped pack, in which the tubes of tablets flank the nested suppositories in a cartoned slide.

Stocks Available. — Merck Sharp & Dohme, Ltd., Hoddesdon, Herts, announce they have secured further supplies of Soluthricin concentrate (2.5 per cent.) in 20-ml pack, to meet demands from hospitals. Reasonable stocks are available, and there is also a small quantity of Soluthricin ready-for-use solution (0.05 per cent.), in pack of 240 mls.

French Fortnight. — Over 200 shops are featuring French goods during "French fortnight" (see *C. & D.*, December 29, 1956, p. 706) and about fifty are taking part in a display competition. The competition is being judged on April 12 by a panel that includes Sir Gordon Russell (chairman, Council of Industrial Design); Lady Sempill (vice-chairman, Design and Industries Association); Mr. E. J. McFadyen (editor, *Stores & Shops*); Mr. A. W. Plowman (editor, *Display*); and Monsicur Dumas, Hermes, Paris.

Baby Feeding Requisites. — William Freeman & Co., Ltd., Suba-Seal Works, Peel Street, Barnsley, draw attention to their range of Suba-Seal "natural" baby-feeding requisites. The range comprises heat-moulded teat, packed in pink and blue skilket and assembled in blue display outer; latex teat in orange and fawn skilket and assembled in display outer; and silicone teat in individual black-and-white skilket and display outer; polythene feeding bottles in 8-oz. and 4-oz. sizes with heat-moulded or

latex teat and turnover-type closure or as spares; packs of heat-resistant glass feeding bottles with heat-moulded or latex teat; glass Minifeeder with latex teat in sealed skilket, cleaning brush and leaflet; soothers; teething trainers; baby beaker; measuring jug; feeding-bottle cover and measure; and non-spill measuring spoon. Some of the items are included in the illustration at foot of page.

Vending Machines. — For perfumes, cosmetics, photographic films, etc., there is now available from Automat Machine Sales, Ltd., Challenge House, Forest Hill, London, S.E.23, a range of automatic coin-in-slot change-giving machines. For retailing a range of commodities, an "ever-open-shop" machine, which features a mechanical self-filling arrangement whereby, immediately each segment is emptied by the purchaser, a segmented rotating tray automatically transfers new goods to the front of the compartment for vending. The self-filling trays are manufactured in different sizes (2, 3, 4, 6 or 8 segments), to suit articles of varying shapes and dimensions.

Bonus Offers

BIOMETICA, LTD., Elstree Way, Boreham Wood, Herts, Pinaud Set-up pre-shave lotion. Six small trial samples gratis with all orders for minimum 1 doz. bottles, 6s. 3d. size.

COOPER, McDUGALL & ROBERTSON, LTD., Berkhamsted, Herts. 5 per cent. above normal trade and cash discounts on orders placed before April 30.

DAE HEALTH LABORATORIES, LTD., 17 Berners Street, London, W.1. Valderma balm. Box of $\frac{1}{2}$ doz. Valderma shaving sticks free with every order for 3 doz. (assorted if desired). Till April 6.

DELAVELLE, LTD., 38 Orsman Road, London, N.1. Go, Yeast-Pac and Delavelle products. 5 per cent. on orders value 50s.; $7\frac{1}{2}$ per cent. on orders value 90s. (at list prices). Orders must include 1 doz. standard and $\frac{1}{2}$ -doz. economy Go sticks (or equivalent). March 1 to April 15.

MANUFACTURERS' ACTIVITIES

Scottish Products for Russia. — Moore Medicinal Products, Ltd., 1 Queen's Terrace, Aberdeen, have had an export order from Russia for 1,000 bottles of asthma inhalant.

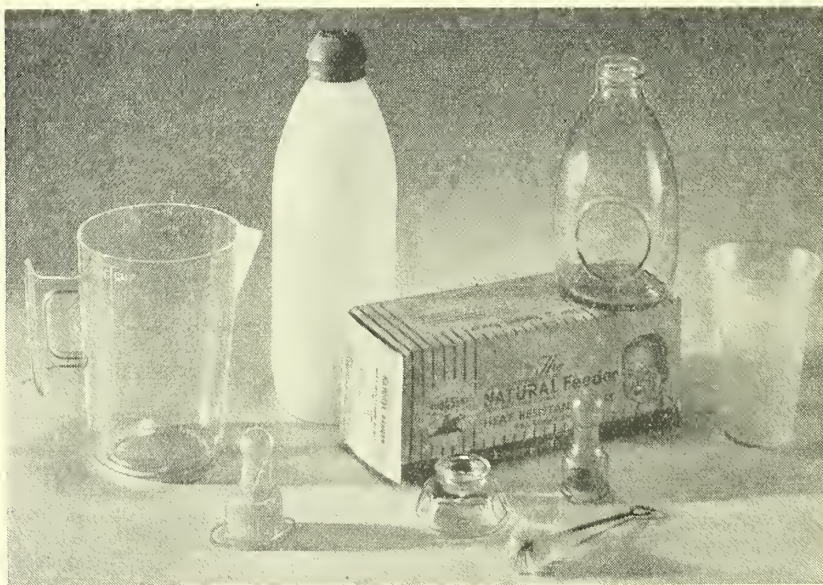
Pharmacology Fellowships. — Riker Laboratories, Ltd., Loughborough, Leics, have established a second Riker fellowship in pharmacology. The first fellowship has been provided since 1954, and commencing with the next academic year two will be awarded annually. The fellowships provide a grant of £1,000 for one year of post-graduate study in pharmacological laboratories in Great Britain.

INFORMATION WANTED

The Editor would appreciate information about supplies of the following:

URTICURINE ointment

RYVAPAS worming tablets for dogs



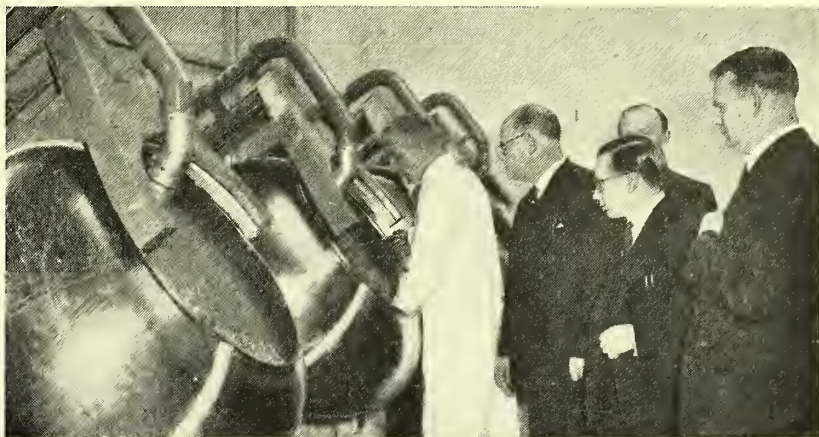
Items from the range of infant-feeding requisites marketed by William Freeman & Co., Ltd.

A NEW TABLET DEPARTMENT

Continued expansion of premises of Evans Medical Supplies, Ltd.

WITH the opening on February 20 of a new tablet department at the works of Evans Medical Supplies, Ltd., Speke, Liverpool, 30,250 sq. ft. of floor space has been added to the company's premises. Dr. Harold Davis (chief pharmacist, Ministry of Health) formally opened the department and was afterwards presented by Mr. I. V. L. Fergusson (chairman of the company) with a silver box containing some of the first batch of tablets (Collumina) produced in the department. Guests at the opening included members of the council of Liverpool Chemists' Association and of the committee of the local Branch of the Pharmaceutical Society, representatives of the British Medical Association and Guild of Public Pharmacists, Professor A. B. Semple (Liverpool medical officer of health) and employees' representatives.

In his remarks as opener DR. DAVIS said "I suppose to some extent I represent your biggest customer. When serving my apprenticeship I was told that the customer was always right, but some of the criticisms by retail pharmacists and by industry make it appear that he is not." There were about 240 million National Health Service prescriptions in a year and tablets were prescribed on about 50 million of them. With an average of twenty tablets per prescription, that amounted to 1,000 million tablets in a year.



Dr. Harold Davis, Mr. P. Hill (manager of the tablet department) and Mr. C. W. Robinson (pharmaceutical development director) with Mr. I. V. L. Fergusson (standing, rear) watch the tablet sugar-coating machines in operation.

pany's staff, those machines had been the first to render possible the manufacture of coated tablets by compression.

There are three main divisions in the new department: 1, An extension to the sterile products unit; 2, the tablet-making area; and 3, an area not yet designated for any purpose. Mixing and sugar-coating machines are in separate compartments. Steel and glass par-

tioning can be removed, and the design of the interior remoulded without major structural alterations. Air conditioning plant is installed. All services to the department—steam, water, electricity, dust extraction and hot air—are below floor level, thus eliminating trunking and service lines, which would become collectors of dust. Compression of the tablets is carried out under conditions of controlled relative humidity.

NEW PRODUCTS AND PACKS

Press-button Woodworm Killer. — Timb-aire, a new member of the range of aerosols marketed by Cooper, McDougall & Robertson, Ltd., Berkhamsted, Herts, forces the lethal liquid into the tunnels made by the pests. There are two sizes: popular and large.

Scalp Milk. — A newcomer to the Pride range of hair beauty preparations, Pride scalp milk is claimed to allay scurf and dandruff and prevent falling hair. It is obtainable through wholesalers or direct from the manufacturers, B. N. Furman (Productions), Ltd., 133 Fonthill Road, London, N.4.

Dextromethorphan Expectorant. — Roche Products, Ltd., announce the introduction of Romilar Expectorants, an expectorant form of Romilar syrup combining ammonium chloride with dextromethorphan in appropriate dosage. The product is issued in bottles of 100 and 500 c.c.

Treatment of Prostatic Carcinoma. — At present manufactured in Germany, Honvan (5 c.c. ampoules each containing 250 mgm. of stilboestrol diphosphate for intravenous injection in the treatment of prostatic carcinoma) is available in limited supply in box of ten from Ward, Blenkinsop & Co., Ltd., 37 Queen Square, London, W.C.1.

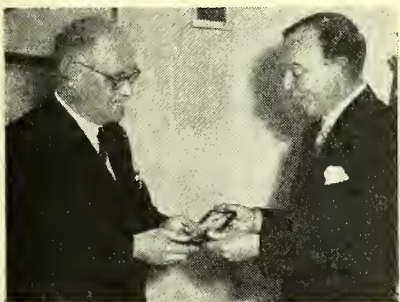
Flavoured Penicillin Suspension. — Abbott Laboratories, Ltd., announce that their new speciality Compocillin-V oral suspension replaces Compocillin oral suspension (hydrabamine penicillin G). The new product is a ready-mixed, banana-flavoured hydrabamine

penicillin-V suspension, each 5 c.c. of which provides 300,000 units of penicillin-V. The pack is an 80-c.c. bottle.

"Excitingly Different" Perfumes. — J. & E. Atkinson, Ltd., 24 Old Bond Street, London, W.1, have produced perfumed variations on the themes of lilac and freesia, "full of character and individual charm." They are "gay enough for the most provocative teenager, sophisticated enough for the smartest cocktail party." For each there is a matching soap.

"Gentle" Tranquilliser. — The Armour Laboratories (Armour & Co., Ltd.), Hampden Park, Eastbourne, have introduced a new medicinal speciality, Nitensar tablets, containing sodium quinalbarbitone, pentobarbitone and butobarbitone; phenobarbitone and reserpine. The product is indicated in mild anxiety states, insomnia from nervous tension, etc. Nitensar tablets are issued in bottles of fifty, 100 and 1,000.

Novobiocin with Penicillin. — Merck Sharp & Dohme, Ltd., Hoddesdon, Herts, announce the release of a new product Cathopen, a combination of Cathomycin (sodium novobiocin) with potassium penicillin G. Each tablet contains sodium novobiocin, 125 mgm., and potassium penicillin G, 125,000 units. The tablets are indicated in the treatment of a variety of infectious conditions, especially when the infecting organisms are more sensitive to the combination of antibiotics than to either one alone. The packs are bottles of sixteen and 100 tablets.



Mr. I. V. L. Fergusson (right) presenting an inscribed silver box to Dr. Harold Davis at the opening of Messrs. Evans's new extension.

MR. FERGUSSON said that his grandfather had built the company's first manufacturing unit in Fleet Street, Liverpool, about sixty years ago. Though the business had then been in existence for nearly one hundred years it had been essentially one of wholesale druggists as distinct from manufacturing chemists. Little of the layout today resembled the original plan. "The physical changes of the factory and its contents, however, are small compared with the changes that have taken place in the practice of pharmacy, both as it affects the products called for by the physician and the standards of perfection demanded by current requirements." MR. FERGUSSON said that there remained only one manufacturing department to move from the city factory. Work on the new extension was not yet complete. Some Prescoter machines remained to be installed.

Conceived and developed by the com-

RUTHERFORD HILL CENTENARY

(Concluded from THE CHEMIST AND DRUGGIST, March 2, p. 232).

WITH the passage of time memories of even so remarkable a figure as John Rutherford Hill tended to become dimmed, wrote SIR HUGH Linstead. One remembered the personality but not the details of meetings and conversations. When he first came into contact with Hill relations between Bloomsbury Square and York Place were still strained. Not many years had passed since a box of thistles had arrived on the Council room table as a reminder that even Scottish pharmacists could be prickly. It was therefore not surprising that Rutherford Hill, with his fierce insistence upon the independence of the North British Executive, and (so it seemed to Sir Hugh) his inability to see pharmaceutical problems from anything except the Scottish point of view, was the personification of the intransigence of Scottish pharmacy. He (Sir Hugh) had learnt better since then! In official conversations one always dreaded the moment when he would pronounce such and such a position to be one of principle. He would never willingly admit that there was anything that could not be done by the Pharmaceutical Society under its Charter, and he never forgave the Council of that time for having embarked on the Jenkin litigation and thereby deliberately curtailed the Society's activities. In negotiations under the National Health Insurance Act, Rutherford Hill's influence for unification ensured that the negotiating body operated from York Place and that he was its secretary.

A Dry Humour

Some of Rutherford Hill's lighter moments were recalled. Sir Hugh Linstead, said Mr. Knott, wrote in his appreciation of one day when Rutherford Hill's niece called to see him and left her pram in the museum on the right of the entrance to the office. That led to a complaint to the North British Executive from some students that it was not possible for them to get to the pharmacognosy specimens. Rutherford Hill's answer was that, judging from the examination results in pharmacognosy, the ability of the students to recognise drugs when they saw them was limited, and it was more than likely that what they had mistaken for a pram was in fact *calumba root*. On another occasion he had to interview a student who, in order to obtain registration with the Society, had altered a Scottish Leaving certificate by adding an additional subject. Rutherford Hill saw the boy, and showed him the certificate. The boy could not finally deny that he had made the alteration, but Rutherford Hill finally reported to the Council of the Society that, while the discussion was going on, a gust of wind had come through the door and blown the offending certificate into the fire, so that any prosecution was out of the question.

After the address, tributes were paid by a number of members present.

MR. C. G. DRUMMOND, Edinburgh, recalled his first meeting with Mr. Hill when, about to enter pharmacy, he was brought to York Place by his father. After the interview Mr. Hill escorted

his visitors to the door, and such was the awe and reverence inspired by Mr. Hill that both his visitors automatically wiped their feet on the mat before leaving! Mr. Drummond still felt that reverence for York Place, and sometimes, when sitting in the Board Room at an Executive meeting, he seemed to catch the eye of Mr. Hill in his portrait which hung there, and felt his presence still. Referring to the incident in Sir Hugh Linstead's memento, Mr. Drummond recalled sitting beside Mr. Hill at a Conference held in Liverpool when Mr. Linstead, as he was then, was replying to questions from Branch secretaries. After one of Mr. Linstead's replies, a quiet voice, but one of those quiet voices that carried, said "You're wrong, Linstead." Mr. Linstead then announced "Gentlemen, Mr. Rutherford Hill says I am wrong — I am wrong!"

MR. H. STOUT, Edinburgh, said that Mr. Hill ruled the board of examiners with a rod of iron. One of the members once suggested that they should have

a cup of tea in the afternoon. Hill reply was "No, No, you would have to want to smoke; also you would have to give it to the candidates—Oh No! No!" One of the men on the Board at the time was a strong-willed man like Hill. He overcame the tea bar by producing caffeine tablets, and, having set a prescription in the examination necessitating the use of lemons, made a brew for afternoon tea of lemon peel and caffeine, which was handed round the board of examiners in beakers. But up to the last Hill disallowed tea to be drunk by the examiners.

DR. D. McCALL (resident secretary) recalled that when a student had asked Mr. Hill if 2,000 hours was not rather a long time for the apprentice to complete before he could register as a student, Mr. Hill had replied "Certainly not! 2,000 years is not too long to spend learning pharmacy."

Among others who paid tribute were Mr. W. R. Moffat (a grand-nephew of Mr. Hill), Mr. J. Liddell, Mr. W. A. Park (chairman of the executive of the Scottish Department), Dr. G. Perrin, Mr. H. Hedderwick, Mr. J. B. Grosse and Miss N. Brew.

ULSTER ASSOCIATES' DANCE

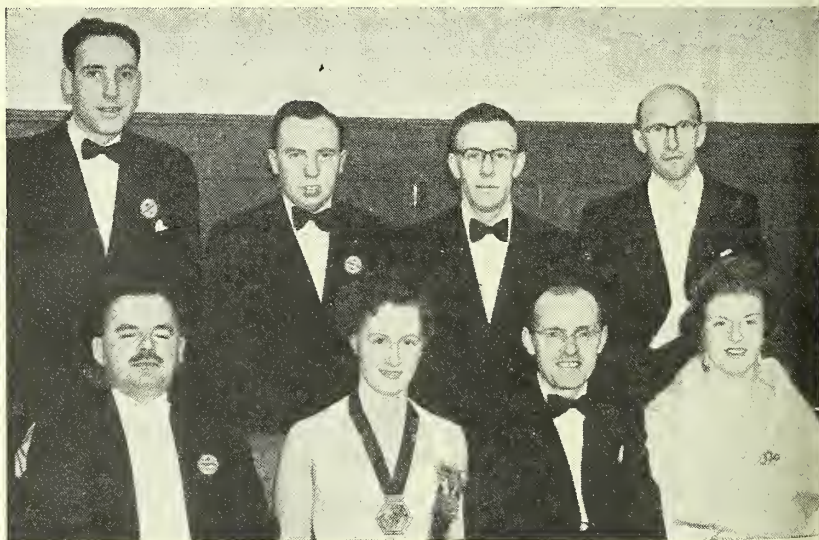
All sides of the profession at year's most popular function

THERE was no lack of gaiety and fun at the eighth annual dance of the Associates' Section of the Ulster Chemists' Association, held in Belfast on February 28. The event fully upheld its reputation as the most popular pharmaceutical function of the year.

In a ballroom filled to capacity the pharmaceutical profession, from the president of the Pharmaceutical Society down to the youngest apprentice, and taking in representatives of the local wholesale firms, pharmaceutical and medical representatives, and their guests, set out for one evening to chase dull care away. That they did in a most convincing manner.

Upwards of 350 guests were received

by the chairman (Mrs. T. O'Rourke), who during the evening expressed pleasure at having as the Section's principal guests Mr. C. A. Quinn (president, Pharmaceutical Society of Northern Ireland) and Mrs. Quinn, Mr. W. Gorman (secretary), and Mrs. Gorman; Mr. M. C. Mooney (president, Ulster Chemists' Association) and Mrs. Mooney; Mr. A. Templeton J.P. (vice-president), and Mrs. Templeton; Mr. H. G. Campbell (chairman Local Pharmaceutical Committee) and Mrs. Campbell. Particularly, she said, were they happy to welcome to Northern Ireland Mr. O. H. Waller (Editor, THE CHEMIST AND DRUGGIST) and Mr. Hutson, the C. & D. artist.



ORGANISERS OF THE DANCE: Seated, Mr. G. P. Taylor (convener); Mrs. T. O'Rourke (chairman); Mr. T. O'Rourke (M.C.); and Miss N. Robinson. Standing: Messrs. W. E. Cooper, J. E. Morley and G. E. McIlhagger. Committee members H. M. Hamilton, J. Kerr and J. White were prevented from attending.

C&D ARTIST at the DANCE of the
ASSOCIATES' SECTION
ULSTER CHEMISTS' ASSOCIATION

BELFAST

FEB 28th 1957

THE "CARRY YOUR PARTNER" DANCE

M.C. MOONEY
PRESIDENT OF THE
ULSTER CHEMISTS' ASSOCIATION

MISS A.E. STRACHAN
SECRETARY
ULSTER CHEMISTS' ASSN.

MRS. CATHLEEN O'ROURKE
CHAIRMAN OF THE ASSOCIATES SECTION U.C.A.

T. O'ROURKE
MEMBER OF SOCIAL SUB-COMMITTEE

W.T. HUNTER
VICE CHAIRMAN ASSOCIATES SECTION

W.E. COOPER
HON. SECRETARY ASSOCIATES SECTION

C.A. QUINN
PRESIDENT OF THE PHARMACEUTICAL SOCIETY

W. GORMAN
SECRETARY OF THE PHARMACEUTICAL SOCIETY

G.P. TAYLOR
CONVENOR OF THE SOCIAL SUB-COMMITTEE

J.E. MORLEY
PAST CHAIRMAN ASSOCIATES SECTION

A WELL-SPRING FLOOR - IT HAD TO BE!



Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

Scuttled

SIR,—The Rutherford Hill centenary report spoke of "dropping the pilot" (*C. & D.*, March 2, p. 231) but, so far as evening meetings are concerned, Bloomsbury Square seems to have scuttled the ship! In proud contrast to London, the Scottish Department sails on with its evening meetings, at which speakers of real authority deliver lectures on topics of great current interest to practising pharmacists. Little wonder that the Edinburgh meetings are followed by virile discussion. Surely London gave up much too easily and ought to revive its evening meetings.

ANGUS MACLONDONER

"For Journalistic Services"

SIR,—I am prompted to write to you by the last paragraph which appears on p. 243 of your issue for March 2, and which reveals a new service to pharmacy lately undertaken by the *C. & D.*—that of supplying controllers for contemporary publications. I think it is worthy of comment that now two of our professional journals (besides your own) will be edited by pharmacists who have formerly had experience in the *C. & D.* office (one other journal has been so edited for some years). I have taken a lively interest in the progress of the *C. & D.* from the earliest years of the current century and have appreciated in turn the excellent services introduced by it for the education, information and sustenance of its readers. Now that the *C. & D.* office has been recognised as a successful training ground for pharmaceutical editors I feel sure that pharmaceutical journalism will greatly benefit by the application in other spheres of the practical, progressive and professional principles so long associated with *THE CHEMIST AND DRUGGIST*.

ELDER STATESMAN

Saturday Shop Hours

SIR,—The letter of D. Finlason (*C. & D.*, March 2, p. 246), no doubt intentionally controversial, indirectly draws attention to another acute problem in staffing a pharmacy. The competition for labour requires that much higher rates shall be paid than are shown in the J.I.C. scales, yet that does not attract staff when employment requires attendance on Saturdays, or more particularly on Saturday afternoons. Despite the offer of two mid-week half-day holidays, the married woman expects Saturday free to be with her husband, who most probably works a five-day week himself, and the vast majority of the young people of today are averse to Saturday working. Business—and dispensing—on Saturdays may be brisk, but at busy periods can develop into an unsatisfactory (to use Mr. Finlason's phrase) "mad Saturday scramble" on account of staff shortages. If the public wants a service, then any legislation to effect a general Saturday half-day closing of shops would be most unpopular—though most welcome to shop assistants and possibly to proprietors.

W. S. C. COLEMAN

Fetcham, Surrey

Averaging has Failed

SIR,—I read Mr. Hayton's article "‘S’ and ‘A’ and All That" with interest and amusement. There's many a true word spoken in jest, and the Ministry pundits would do well to read beneath the surface. Averaging was introduced in expectation of a vast saving of time and labour in pricing. In fact, the saving is problematical, certainly nothing like what was hoped, while the work of everyone else concerned has been greatly increased. An endless stream of ECL's, ECN's, pricing memoranda and instructions, which

rarely "stay put" for more than two or three months, occasion endless work to the Department's officials, to the chemists, the Executive Councils and the National Pharmaceutical Union. Meanwhile excessive prescribing is still out of control, and will remain so till effective pricing is resumed. Too many prescriptions are written; too large quantities are ordered; expensive drugs (whether under brand or B.P. title matters not) are prescribed for trivial conditions where their use is not warranted. The Ministry seems hypnotised by the branded drugs, and attacks them as the sole villain of the piece, in spite of the growing volume of evidence that there are—outside category I—a number of proprietary drugs which are therapeutically superior to their B.P. substitutes, whatever the Cohen Committee may say. In fact, the sooner the Cohen classification is drastically changed, the better for the Service and for the patient. I have always protested that averaging is a gamble which a business man should not be asked to accept. He should be paid what he has earned—no more and no less. The Ministry claims that "practically all" chemists get payment correct to within ± 2 per cent. But "practically all" is not "all," and it is known that some chemists have had underpayments in excess of 2 per cent. Perhaps some have had substantial overpayments but have remained discreetly silent! Moreover, it is possible in some circumstances so to sort the A bundles as to attract an assured overpayment. Some years ago I pointed that out to a colleague in the Government Actuary's department. He replied that it was not possible—the system was foolproof. I explained how it could be done under the system he thought was foolproof, and he had to agree it was possible. Again, that is all wrong.

F. F. MARCHBANK

Horsham, Sussex

Sleepers, Awake!

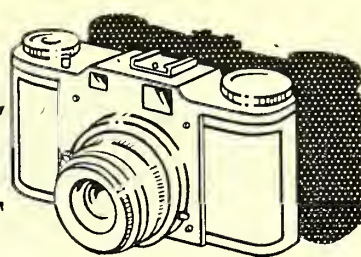
SIR,—Rip Van Winkle's effusion (*C. & D.*, February 23, p. 215) shows just how asleep he has been these past years. The modern pharmacist, in common with all University and College types, likes to live and is not, during his vacations or Army service, averse to roughing it. Personally, I have been a labourer on the Scottish hydro-electric scheme, a barman, and a gardener. Other colleagues have been farm labourers, assistant bakers, cannerymen, ferrymen and process workers. Nor have the girls been afraid to take jobs as waitresses, holiday camp hostesses or post-office workers. Naturally, after such experiences and three years' training, the post-graduate student hopes to be treated as an adult (especially if he has done his National Service). Alas, too many retail pharmacists would like to treat him as the money-saving apprentice of old.

TINKLE TINKLE



BRISTOL STUDENTS AT GREENFORD: Students from the College of Technology, Bristol, photographed at the Greenford factory of Glaxo Laboratories, Ltd., recently.

The
CHEMIST AND DRUGGIST
 PHOTOGRAPHIC SUPPLEMENT



WHERE PHOTOGRAPHY AND PRINTING MEET

WHENEVER a positive is made from a negative the result is referred to as a "print," as it is, but direct photography as a printing process is usually economic for only single prints or up to a few dozen. "True photo" postcards, an apparent exception, have not always competed successfully with postcards produced by a printing process in the more usual interpretation of that term.

Economic Considerations

All kinds of reproduction processes have established themselves to meet varying lengths of "run." Some of them are widely adaptable. Others justify themselves only within narrow limits of quantity. For reproductions in full colour of a natural scene or work of art, the choice of processes has lain principally between three or four-colour letterpress printing, photolithography, multi-colour lithography and colour photogravure, all of which involve too heavy a capital expenditure and are too dependent on skilled craftsmanship to be used for runs up to, say, a few thousand. Collotype, a short-run process, produces superb reproductions of "old masters" and similar subjects but is hardly practicable to the ordinary commercial user of print. Silkscreen, though it has established itself on runs shorter than those at which lithography would be competitive in price, is not well adapted to faithful reproduction of full-colour "half-tone" subjects.

A process introduced into Britain by Kodak, Ltd., was devised to satisfy the demand for colour prints in quantities up to a few thousand. The Short Run Colour process gives pleasing results short of absolute facsimile reproduction. The process was worked out in America for American conditions but has been modified at the British company's research laboratory at Harrow to suit the different conditions obtaining in this country.

Modern colour-printing processes—apart from multi-colour lithography, which demands from the printer an acute colour sense and as many printings as may be necessary in his judgment to reproduce the colour values of the original—depend on an "automatic" separation of the colours by the use of three filters. The subject is separately photographed through each and from the negatives are obtained, by conventional process engraving methods, a printing plate. If each plate is printed in its appropriate pigment (yellow, cyan (a slightly greenish blue) and magenta) respectively, the dots of colour build up into all the colours of the spectrum. [The so-called "four-colour" process adds a black printing to give a more subtle result.] The Kodak Short Run Colour makes use of the same scientific analysis and resynthesis of the colours, basing it upon a 35-mm. or other transparency. The particular niche the system is designed to fill is the require-

ment of, say, the manufacturer of a highly technical product who wishes to demonstrate to his sales representatives or customers a detail that can only satisfactorily be shown in colour; or perhaps a university lecturer who is enabled by it to circulate copies of a thesis in which an illustration in colour is used to explain a point more effectively than could be done in a multiplicity of words; or again a producer of postcards of scenes in full colour but having only a local appeal. Short Run Colour is not suggested as a new sideline for the chemist with a photographic department, or even for the photographic processor, though both become more knowledgeable if they have some idea of the purpose of the new process and how it works.

Most of the problems encountered in introducing Short Run Colour in this country arose from the initial lack of suitable materials and equipment, but those difficulties have been overcome. The principal features of the system are:—

1. Pre-standardised procedures;
2. Automatic register at every stage;
3. Colour correction by masking (no hand-work);
4. Printing by three-colour offset lithography using inks carefully selected for strength, gloss and hue.

The equipment was designed to produce a standard size print from 35-mm. transparencies at low cost, and the steps in the process have been reduced to:—

1. Preparing from the transparency by contact exposure a single mask (which is "registered" by a punch system) to reduce contrast and to provide some colour correction.
2. Shooting direct half-tone separation negatives through neutral contact screens on to panchromatic film pre-punched for register.
3. Printing the automatically registered negatives on to pre-sensitised lithographic plates.
4. Printing the automatically registered plates with special three-colour inks under controls obtained by densitometric measurements taken on the proof.

Adaptations for Britain

In the United States a complete set of separation negatives is exposed, flashed, and punched on one sheet of film in accordance with pre-set controls. To make use of equipment already available in England, Kodak, Ltd., adapted a standard precision enlarger to produce half-tone separation negatives in three sizes from 35 mm. to 9 x 6 cm. transparencies. Output is not so high as with the fully automatic camera but the process is more easily tried out before applying mechanisation methods. Contrast of the original transparency is reduced by a mask prepared by exposing to the orange light of a Wratten filter (No. 85B), made unsharp to improve definition in the re-



Masking plate for negatives to control "register" of colours.

production. A special transparency holder has been made to fit the precision enlarger and to simplify preparation and register of the mask. An exposing box gives consistent results semi-automatically. The transparency holder (to take 35-mm. Kodachrome), in cardboard mount, is located by spring-loaded pins, two register studs being provided for the masking film. A "step tablet" enables densitometric checks to be made. A piece of masking film is punched and placed on the register studs over the transparency, the pressure plate closed, and the holder positioned on top of the exposing box. The usual exposure is about six seconds using a 15-watt lamp, depending on the design of exposing box used. After processing, the mask is replaced on the register studs of the transparency holder and the unit is ready for the separation camera.

Separation

Separation negatives for printing are produced on Kodalith panchromatic film on a precision enlarger adapted for the purpose. Voltage control is essential on the projector lamp and a cheap but efficient method is to have in circuit a variable resistance and voltmeter, which is checked before and during exposure of the negatives. It is necessary to give a supplementary flash exposure to compensate for the contrast variation of the original. To secure automatic register of the negatives a metal baseboard plate is fitted and a sheet of panchromatic film is punched and positioned on the studs. Film and contact screen are held in position by vacuum. Exposure of the half-tone negatives is critical and calls for a great deal of skill and experience.

The three separation negatives are best processed together, in that way the negatives are judged and if necessary remade as a set. Exposure of the negatives is critical and it is necessary to establish a consistent method of developing the film. Various methods have been elaborated.

Making the Printing Plates

Uniformity and simplicity in plate making depend on the use of presensitised lithographic material such as Kodak Lithofoil. In order to register several subjects on one printing plate, use is made of a special glass masking-sheet with register studs in the desired positions. The masking plate is prepared by contact printing a master mask cut from black paper on to an orthochromatic plate which is then processed by etch-bleach reversal to give a set of clear windows, free from gelatin emulsion, surrounded by opaque frames.

An important factor in the success of the process is the ability to print a high strength ink of good gloss characteristics and correct hue. The inks have been selected to achieve acceptable colour reproduction with only the limited colour correction provided by a single mask, and are somewhat nearer to the "ideal" requirements of a three-colour system than are the standard lithographic inks (the magenta is less red and the cyan more green). To obtain high ink densities without filling in of the shadow detail, the ink must be high in strength, so that a minimum film thickness is used. The film must retain a high degree of surface gloss when dry, otherwise the visual density is lost.

Any offset lithographic press may be used for the printing, but the system was devised to be applicable to a small office litho machine such as a Multilith 1250 or Rotaprint R40/80. The Multilith machine was modified in a way suggested by the Eastman Kodak Co. The inking rollers and offset blanket must be of solvent-resistant rubber and uniformly dense ink is important. As settings are critical, the practice of exposing a strip of solid and tint along one edge of the sheet is recommended. A coated paper is required for high-quality printing and cast-coated papers give superior results. To operate the whole system successfully it is essential, in the opinion of the manufacturers, for camera, platemaking and printing to be supervised as one unit.

PHOTOGRAPHIC ACCESSORIES AND GADGETS

ADDED ZEST FOR THE AMATEUR

ADDED SALES FOR THE STOCKIST

MANY photographic retailers will remember a morning about two years ago when there was an unprecedented demand for lens hoods—not usually a brisk-selling line. The previous evening the professional portraitist Baron (since deceased) had explained on television the value of that particular accessory. The outcome disclosed the extent of the potential interest by casual snapshotter in accessories that can help him to obtain better results. It indicated, too, quite clearly that, if only the existence and value of such goods are brought to the amateur's notice, sales follow as a natural consequence.

Whether the "public relations" for photography that Baron put over will be carried on over the air is not known, but dealers have it in their own power to keep the public informed of the thousand-and-one aids to amateur photography. Not all amateur photographers subscribe to a photographic magazine, and the prolific advertising of gadgets does not, therefore, reach them. Even those who do read one or other of the periodicals may be deterred from purchasing items on which they are "half sold" because they do not see the articles in which they are interested actually on display. Many local dealers must lose a vast amount of business to firms selling by mail order.

LENS ATTACHMENTS AND ACCESSORIES

Lens Hoods

The large variety of types and sizes available makes it necessary to exercise some care in deciding on a basic stock. Hoods made for specific cameras might well be ordered with the cameras, and an attempt made to interest the customer in a hood when he buys his instrument. A reasonable range of sizes should be held for those who can be tempted to add a hood to equipment they already possess. There are adjustable types of hood, and some that incorporate filter-holding rings (an opportunity to sell filter glasses at the same time!).

ACTINA, LTD., 10 Dane Street, London, W.C.1, offer chromium-plated brass or light-alloy hoods to fit their adjustable and Compact ranges of filter holders (which see).

NEVILLE BROWN & CO., LTD., 7 Newman Street, London, W.1. The Nebro is turned from solid aluminium diameters of 34 mm. (for Paxettes), 36 and 42 mm. They will fit Nebro filter mounts. Also from Messrs. Neville Brown come the Black Cross range of combined hoods and filter mounts in fittings from 21 mm. to 37 mm. in a dozen steps, and the Handcross series, which are adjustable for lens mounts from 21 to 42 mm. in diameter by parallel springs that automatically

simply because the latter let it be known that they have the goods available. The general experience is that men, in particular, hesitate to enter a shop to ask about goods which are not in evidence. They like, too, to know just how much outlay is involved, and the dealer who plainly prices the goods in his window is more likely to attract the "window shopper," who may well become a regular customer.

A Survey of What is Offered

In the short survey that follows it is proposed to call attention to some of the many gadgets that appeal to the amateur photographer—quite a lot of them, unfortunately, sadly neglected by the average dealer. Flash equipment is omitted in view of the vast amount of propaganda that has been expended on the subject during the past few years. That is not to say that the ceiling in flash business and all it means has yet been reached. Let it be kept to the fore—yes, even in summer. Synchro-daylight-flash is a summer technique that should not be allowed to be forgotten among those who have tried it out and actively promoted among those who have not.

So far as possible the items reviewed are grouped for convenience of comparison.

centre the attachment. The fittings also incorporate a filter cell.

R. F. HUNTER, LTD., 51 Gray's Inn Road, London, W.C.1, distribute the bayonet-fitting hoods for Rollei cameras.

JOHNSONS OF HENDON, LTD., 35 Brent Street, London, N.W.4, list three varieties—one to fit their Push-on filter holders; the Autoclip, a self-centring filter holder fitted with a Peckham lens hood; and the Johnson-Peckham hood and filter holder. The Autoclip is available in two sizes (38 and 42 mm.), the Johnson-Peckham in 38-mm. diameter only. The Peckham hood is conical in shape, the angle of the walls providing an efficient cut-off of extraneous light and minimising the length of the hood.

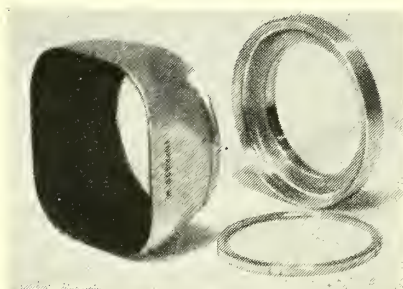
KODAK, LTD., Kingsway, London, W.C.2, have introduced a system whereby lens attachments in a relatively small range of sizes may be used singly or combined on Kodak lens mounts.

NORTH STAFFS PHOTOGRAPHIC SERVICES, Balls Yard, Newcastle-under-Lyme, Staffs, are distributors of the Wata system of lens attachments (see p. 270). In addition to the hoods which form part of the system there are Wata slip-on hoods, both round and square, for lens mounts of diameter 27 to 47 mm.

PHOTAX, LTD., 1 Charlotte Street, London, W.1, supply slip-on hoods in fifteen sizes from 21 to 51 mm. in diameter, as well as combined filter holders and hoods in which the filter cell is clamped on to the lens mount by a pinch screw. There are six fittings in sizes from 25 to 42 mm. Messrs. Photax also supply hoods for Leica lenses and a folding type for the Summarit.

PHOTO-SCIENCE, LTD., 10 North End Parade, London, W.14, list a range of eleven sizes (21 to 42 mm.) of the circular slip-on type of lens hood. The Standard series has a highly polished exterior with dead matt inner surface. The Popular version is stove-blackened inside and out. Both are made of duralumin. In the square type of hood Messrs. Photo-Science offer the same range of sizes in slip-on and bayonet fitting types (for Rollei and Microcord), black-anodised. For Leica and Contax cameras they supply slip-on and screw-on types.

PULLIN OPTICAL CO., LTD., 93 New Cavendish Street, London, W.1, distribute the Eka interchangeable filter system, which includes hoods.



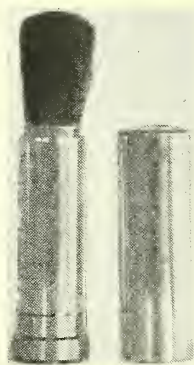
Eka filter cell and lens hood (Pullin Optical Co., Ltd.).

Supplementary Lenses

For photographing small objects at a closer range than is possible by the focusing adjustment of the camera, "positive" lenses, usually of 1-, 2- or 3-dioptre strengths, are supplied by photographic sundries houses. They fit into filter holders and considerably increase the scope of even the simplest cameras. With a 1-dioptre lens in position on a camera objective set at infinity focus, objects 1 metre distant from the lens are in focus. With the camera-focusing adjustment set for closer distances, photography of even closer objects becomes possible. Tables of distances at various focus settings are supplied with the supplementaries, which are listed by **ACTINA, LTD.**, **NEVILLE BROWN & CO., LTD.**, **JOHNSONS OF HENDON, LTD.**, **NORTH STAFFS PHOTOGRAPHIC SERVICES**, **PHOTAX, LTD.**, and **PHOTO-SCIENCE, LTD.**

Lens Brushes

The careful photographer appreciates both the need for keeping his lenses clean and the danger of "polishing" with a cloth that may serve merely to abrade the surface of the lens by friction of the dust it is intended to remove. Several firms offer soft brushes for the purpose. Typical are those which retract into a metal case rather like a large lip-stick container.



A typical lens brush.

Others are contained in plastic tube with pocket clip. Suppliers are:—

APPARATUS AND INSTRUMENT CO., LTD., Vineyard Path, Mortlake High Street, London, S.W.14.

NEVILLE BROWN & CO., LTD.

LUMINOS, LTD., 45 Belsize Lane, London, N.W.3.

NORTH STAFFS PHOTOGRAPHIC SERVICES.

PHOTAX, LTD.

PHOTOSCIENCE, LTD.

PULLIN OPTICAL CO., LTD.

Filters

ACTINA, LTD., as manufacturers, offer a comprehensive range of filter glasses—ten colours in no less than 27 diameters from 18 to 42 mm. in 1-mm. steps (0.5-mm. increments in some instances). The filters are made from Chance glass, dyed in the mass. Messrs. Actina make in addition two special filters for colour photography; the colour-photography filters are of imported glass and are available in sizes from 18 to 41 mm. The "haze" colour type of filter is used to eliminate excess blue in distant scenes or in the foregrounds of dark subjects in colour photography using reversal-type film. The conversion filter enables type-A colour films to be exposed by daylight. Neither incurs any increase in exposure. Messrs. Actina also produce three types of filter holder: the Compact (16 diameters); Adjustable (ten sizes, each adjustable over 3-mm. variations of diameter); and Combination (six sizes covering lens mounts from 28.5 to 42 mm.). A display box is available to stockists.

NEVILLE BROWN & CO., LTD., supply anodised aluminium mounts for lenses of diameter 25 to 36 mm., all taking 31-mm. glasses, and 37 and 42 mm. fitting for 38-mm. glasses. They also supply glasses in eight colours. The Black Cross filter mount incorporates a lens hood and takes 31-mm. filters. It is issued in twelve sizes: 21 mm. to 37 mm. The Handcross takes glasses of 38-mm. diameter, and fits all lens mounts from 21 to 42 mm. in diameter. A 15-mm. long hood serves to retain the glass in position.

JOHNSONS OF HENDON, LTD., list seven colour and ultra-violet filters in nine sizes from 21 to 42 mm. Their push-on holders have screw-in fronts and accommodate push-on hoods. The Autoclip has a claw-type clamp to attach it to lens mounts in a range of diameters, the glasses being retained by a wire spring. The Johnson-Peckham holder also attaches by a spring clamp, fitting lenses from 35 to 47 mm. in diameter.

NORTH STAFFS PHOTOGRAPHIC SERVICES exploit the Wata system, in which holders and glasses are classified into three groups, thus simplifying stock keeping. Each group enables one size of filter and lens hood to be fitted to a number of different sizes of lens mount. Neat cases and display sets are available.

PHOTAX, LTD., supply a full range of slip-on holders in diameters from 24 to 42 mm., as well as Contax screw-

in and Robot II types. Photax filter glasses are of Chance glass dyed in the mass, and there are seven colours and ultra-violet.

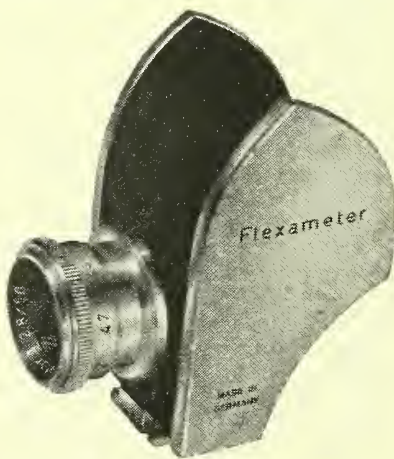
PHOTO-SCIENCE, LTD., produce slip-on holders in Standard and a Popular series, the former in plated brass and the latter in polished duralumin. They also supply screw-in holders for the Retina camera, on which the filter can remain while the camera is closed; Leica lenses Elmar Summar and Hektor; and Contax lenses.

PULLIN OPTICAL CO., LTD. feature an interchangeable system; the Eka, System 2, available in mount sizes of 27, 30, 32 or 34 mm., consists of a light yellow filter, interchangeable mount, lens hood and leather case with provision for four glasses. System 3 is available with 37-mm. or 42 mm. mounts. Glasses for both are listed in eight varieties.

FOCUSING AIDS

Unless the popular 35-mm. camera is accurately focused, the results on enlargement are disappointing. Expensive miniatures such as the Leica have built-in range-finder coupled with the lens focusing system but, even if supplies were unrestricted, not every amateur photographer could afford such a camera. Some means of determining the best focus setting is clearly desirable.

One easily used device is the Flexameter distributed by PULLIN OPTICAL CO., LTD. It is essentially a small reflex camera body with a 2-in. focus lens in focusing mount. The gadget is fitted to the camera *via* the



Flexameter focusing device (Pullin Optical Co., Ltd.).

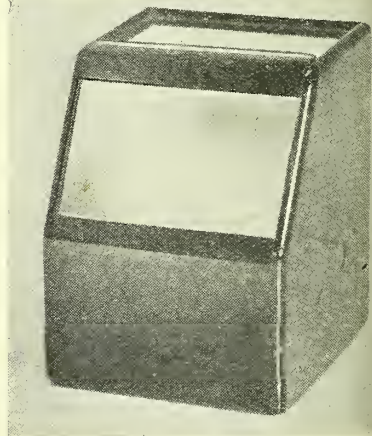
accessory shoe, and the lens is then focused until the view on the ground glass screen is sharp. The setting of the Flexameter lens indicates the setting to be applied to the camera lens. The Flexameter also serves as a brilliant full-size view-finder. Magnifiers are available for fine focusing, and masks to indicate the fields of view of lenses of foci other than 50 mm. and to correspond with the 6 x 6 cm. format.

Another optical focusing aid is the Focorect distributed by JOHNSONS

OF HENDON, LTD. It virtually turns most focusing cameras into coupled range-finder instruments. The device fits on to the camera lens, which is set at infinity, focusing being then taken over by the attachment. The ring of the Focorect is rotated until the two images in the eye-piece merge. At that point the subject is in sharp focus. The method, dependent as it is on the coincidence of images, if of particular value to camera-owners whose vision lacks acuity. The standard model fits lens mounts from 27 to 37 mm. in diameter. Model M is for cine cameras of lens mount diameter 23 to 32 mm. Prices of the models are £15 19s. 8d. and £18 1s. 5d. respectively.

Range-finders, of which there is a wide selection, are popular focusing aids. They work on the triangulation principle. The object is sighted directly through the eyepiece, while an image picked up in a mirror or prism an inch or so to the side is directed into the line of sight. The scale wheel is rotated until the two images coincide, and the distance is then read off the scale. Prices vary according to workmanship between 37s. 6d. and over £4.

APPARATUS AND INSTRUMENT CO., LTD., distribute the AICO

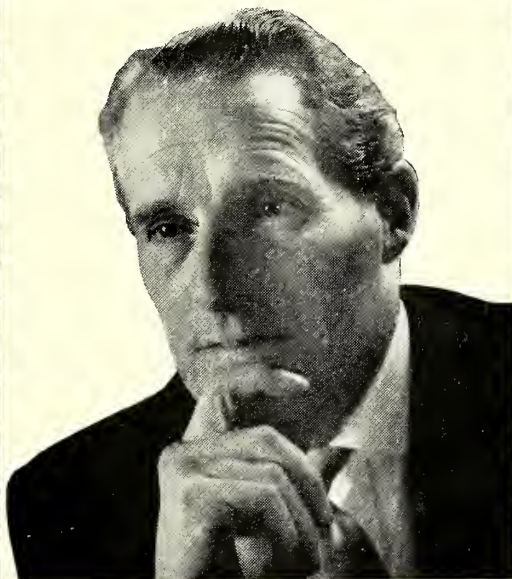


Enlarger focusing aid.

Facts his doctor wasn't told...

Forty years old and a company director, the patient told his doctor that he enjoys a really ample diet. He didn't say however that he breakfasts on coffee and toast and lunches at his office desk on coffee again, with a bite of a sandwich between telephone calls. Nor did he mention the many times he's home late from the office, and his well earned dinner is replaced by a quick snack!

With *this* kind of patient—and with so many like him—the tempo of business defeats the best of dietary intentions! It is then that there is much to commend the all-round supplementation so well provided by VI-MAGNA Multivitamins Lederle. VI-MAGNA incorporates ten essential vitamins in proportions realistically related to dietary needs, and the dosage recommendations are in keeping with this streamlined age—just one capsule daily! The capsules are dry-filled for ready dispersal and absorption of ingredients and freedom from unpleasant after-taste.



VI-MAGNA* Multivitamins Capsules

<i>Each capsule contains:</i>		niacinamide,	20 mg.
vitamin A,	5000 I.U.	calcium pantothenate,	1 mg.
vitamin D	500 I.U.	folic acid,	1 mg.
thiamine mononitrate,	3 mg.	vitamin B ₁₂ as present in concentrated	
riboflavine (B ₂),	3 mg.	extractives from strepto-	
pyridoxine HCl (B ₆),	0.2 mg.	myces fermentation,	1 mcgm.
ascorbic acid (C),	75 mg.	<i>Bottles of 100 and 1000.</i>	

*REGD. TRADEMARK

another member of the

LEDERLE VITAMIN RANGE

LEDERLE LABORATORIES DIVISION

Cyanamid of GREAT BRITAIN LTD., London, W.C.2



Where the rainbow t

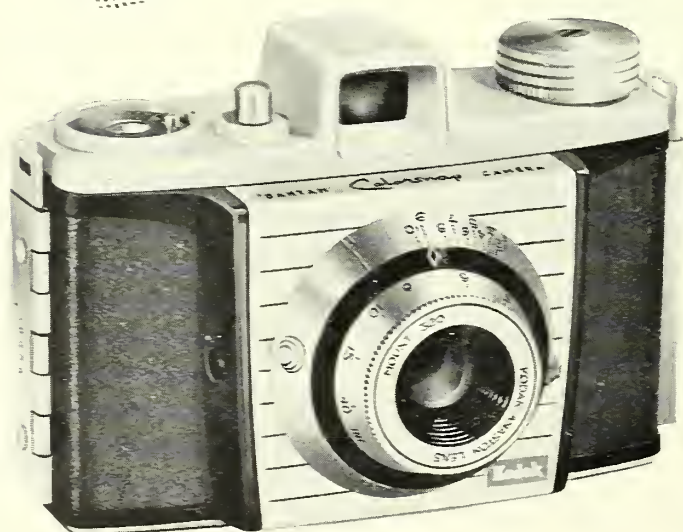
THERE'S 'a crock of gold' for you at both ends of the colour photography rainbow. It starts with the sale of a Kodak Bantam 'Colorsnap' camera, which puts colour photography at everyone's fingertips.

And that's only the start of a long line of lucrative extra business. Extra 'Kodachrome' film sales...viewing aids...accessories...colour prints and enlargements...in one sense 'Colorsnap' business, like the rainbow, never really ends.

A bigger-than-ever advertising campaign will be telling the Kodak Colour Story during the coming months. Make a splash with the 'Colorsnap' camera and 'Kodachrome' film — and reap the benefit.

About the 'Colorsnap' Camera

The Bantam 'Colorsnap' camera makes colour photography as easy as A B C. One simple setting, indicated by a built-in exposure-guide, ensures correct exposure. Coated f4.5 lens; synchronised for flash; takes 8 exposures on a roll of 'Kodachrome' 828 film. (Loads with Kodak 'Tri-X' or Kodak 'Verichrom' Pan for sparkling black-and-white snaps.)

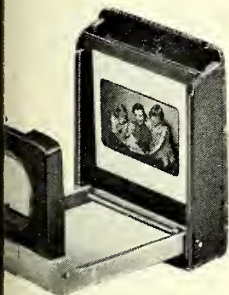


Kodak

BANTAM

Kodak Limited, Kodak House, Kingsway, London, W.C.

ns-and ends



'Kodaslide' Pocket Viewer

Gives brilliant, magnified view of transparencies by daylight or artificial light. Folds flat to slip into pocket or handbag.

Price 12/6

'Kodaslide' Table Projector

Best-rate for family viewing. Completely self-contained, it shows picture magnified to sixteen times area of the original transparency. No need to darken room viewing. Works from normal household AC mains supplies.

Price (including lamp) £18.18.0



Here at the 'other end of the rainbow' are the viewing aids and accessories that add to the 'Colorsnap' users' enjoyment—and to your profit. It pays to feature 'Kodak' viewing apparatus prominently. And don't forget the business from the Colour print service gives you profit without outlay.



'Kodak' Colour Prints and Enlargements

Fine for the album or for sending to friends. Each colour print measures $3\frac{1}{2} \times 5$ inches.

Price 3/6 each (minimum order, four)

Beautiful enlargements in colour—size 5×7 inches.

Price 12/6 each

The master colour film

'Kodachrome' is the world's most famous, best-proved colour film—and it's the world's best-selling colour film, too. It will pay you to keep ample stocks of 'Kodachrome' film for still camera users and movie makers.

'Kodachrome' is made in size 828 for the Bantam 'Colorsnap' camera, and in 20-exposure and 36-exposure cassettes for 35mm miniature cameras. For movies, it's made in 8mm and 16mm gauges.

Cost of film includes processing by Kodak Limited.



Colorsnap CAMERA

£12.10.2 inc. tax

'Kodak' is a registered trade-mark

RUBAN

TRADE MARK



A rubefacient cream made by Evans Medical and sold only by chemists. This popular cream is in frequent demand during the winter and a regular display will bring you profitable sales.

Ask our representative for details of extra profit margins.

Ruban

IS A  PRODUCT

Retail 2/9 per tube
Wholesale 18/3 per dozen
(Plus 30% P.T.)

Bulk Pack (500 g) 253/- per dozen
(Plus 30% P.T.)

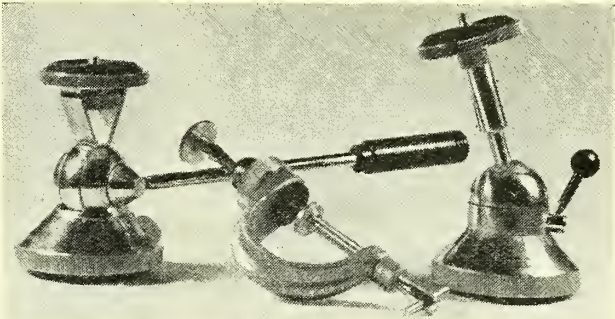
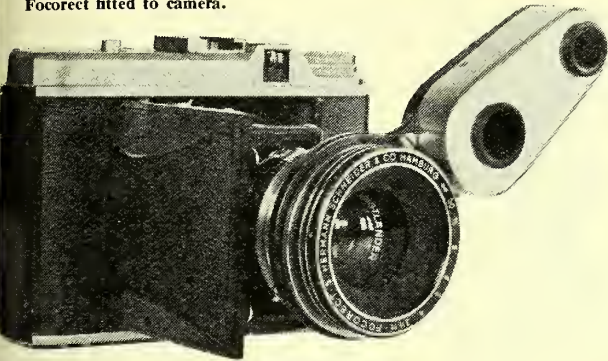


EVANS MEDICAL SUPPLIES LIMITED

LIVERPOOL • LONDON • NEWCASTLE • SWANSEA

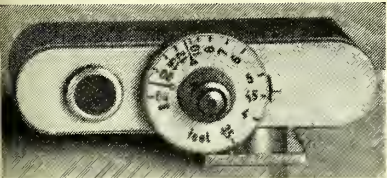
Agents in Glasgow: The New Apothecaries Co. Ltd.

Focorect fitted to camera.



County tripod accessories (Cambridge pan and tilt; Devon clamp; Oxford ball and socket (Apco Photographic Sales).

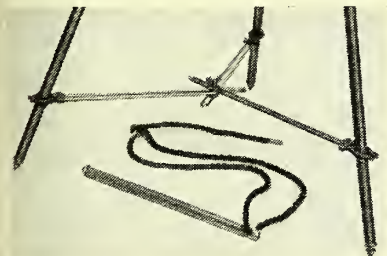
(£2 9s. 10d.) and the Combimeter, a range-finder incorporating an extinction-type exposure meter (£3 6s. 9d.). NEVILLE BROWN & CO., LTD., supply the Hawk at £2 10s.; JOHNSONS OF HENDON distribute the Voigtlander range-finder at £3 7s. 5d.; NORTH STAFFS PHOTOGRAPHIC SERVICES distribute the Wata series



Voigtlander range-finder (distributors: Johnsons of Hendon, Ltd.).

CAMERA SUPPORTS

Another important category of accessories, tripods, is too wide to be dealt with in detail here. Names that come immediately to mind are ACTINA, LTD. (Bilora range and Easiset); NEVILLE BROWN & CO., LTD. (Excelsior series); R. F. HUN-



Ilford tripod brace and (beneath it) Ilford chest-pod (Ilford, Ltd.).

TER, LTD.; JOHNSONS OF HENDON, LTD. (Johnson, Elepan and Jaynay); PHOTO-SCIENCE, LTD. (Rowi, Wedina); PULLIN OPTICAL CO., LTD. (Pullin, Susis, Schiansky, Reiss); J. J. SILBER, LTD. (Ising). There are small models from supports for the pocket to sturdy stands for cine cameras, with varieties in brass, steel, dural and wood. Study of the distributors' price lists may pay dividends. Less well known but worthy of a place in displays are tripod accessories, clamps and monopods. Most of the suppliers of tripods supply ball-and-socket heads, as do AICO and APCO PHOTOGRAPHIC SALES, 36 Copthall Avenue, London, E.C.2, who make in addition to a smart, light yet

(Model I: £2 19s. 6d.; model II, with luminous internal scale; super as II but with extended range); Flash, which incorporates a flash exposure calculator aligned with the distance scale (£4 3s. 9d.). In addition, Messrs. Apparatus & Inst. Co. offer the Photopia at £1 17s. 6d. From PHOTO-SCIENCE, LTD., come the Optel, a superior instrument with a micrometer touch, £4 9s. 9d. and the Repometer, which incorporates a visual-type exposure meter (£3 11s. 7d. inclusive of case). PULLIN OPTICAL CO., LTD., supply the Schadrack (£2 17s.) and the CIP (£2 5s. 2d.). J. J. SILBER, LTD., 51 Avenue Chambers, Vernon Place, London, W.C.1, are the distributors of the Medis (£2 8s. 6d.) and Bodan (£1 17s. 6d.).

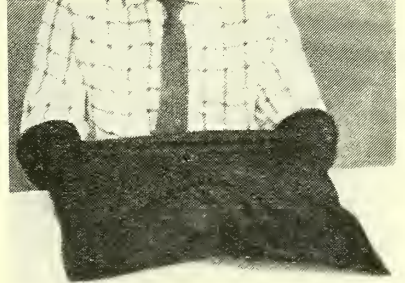
strong aluminium tripod (the Lincoln), a heavy-duty ball-and-socket head: the Oxford, pan and tilt head; the Cambridge; and a useful clamp which has a ball-and-socket head and can be attached to fences, chair backs and similar supports. Clamps are also available from PULLIN OPTICAL CO., LTD. (Titania and Aka); J. J. SILBER; PHOTO-SCIENCE, LTD. (Rowi); NORTH STAFFS PHOTO-

GRAPHIC SERVICES (Zwerg Universal). Another useful form of "camera-steady" is the monopod, a rod that may be long and telescopic, so that it can be pressed on to the ground with the camera at eye level, or shorter and attached to a strap or cord that passes over the shoulders. Examples of the former are the Rutland (APCO), and Susis type J (PULLIN OPTICAL CO., LTD.). Chest pods are obtainable from ILFORD, LTD., Ilford, JOHNSONS OF HENDON, LTD., NEVILLE BROWN & CO., LTD., and PULLIN OPTICAL CO., LTD. Chain "steadies" (chains with, at the top, a screw that fits the camera bush, the chain being allowed to fall to the ground and the foot being placed on it, tension applied by pressing the camera upwards then having a steadying effect. Messrs. PULLIN and Messrs. PHOTO-SCIENCE both list them. Yet another camera "steady" is the recently introduced Wata hand support, a pistol grip with camera screw and built-in cable release. NORTH STAFFS PHOTOGRAPHIC SERVICES are the suppliers.

The value of a tripod brace to preclude slipping on a polished floor has to be experienced to be fully appreciated. ILFORD, LTD., supply one which sells at about 17s. 6d.

FILM LOADING SUNDRIES

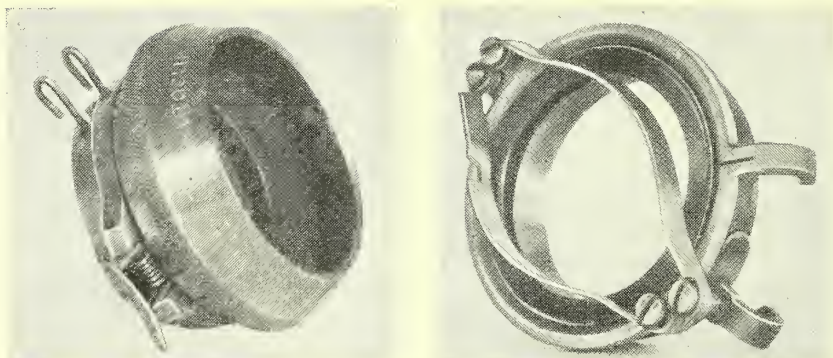
For the 35-mm user there are several items of interest. First the Shirley Wellard universal cassette (wholesalers: K. G. CORFIELD, LTD., Merridale Street, Wolverhampton), which fits most 35-mm. cameras (an adapter is available for Paxettes). There is no velvet light trap to wear, leak or become loaded with dust which will scratch the film. Film may be bought in 1.6-metre refills of bulk lengths and loaded in the darkroom or by means of a daylight loader such as the Fulfix (APPARATUS AND INSTRUMENT CO., LTD.), or the Summor (NEVILLE BROWN & CO., LTD.). Alternatively, advantage may be taken of one of the several changing bags available—light-proof bags with gathered sleeves. Tanks and plateholders can also be loaded inside them in full daylight. They are invaluable to the dealer who may be asked to remove a jammed film from a customer's camera. AICO, NEVILLE BROWN & CO., LTD., R. F. HUNTER, LTD., NORTH STAFFS PHOTOGRAPHIC SERVICES and



Changing bag in use (a film is being loaded into a tank).

PULLIN OPTICAL CO., LTD., are among the suppliers.

Before the camera is loaded it should be carefully dusted, preferably with a blower (the repairers invariably use them), such as the Feola (APPARATUS AND INSTRUMENT CO., LTD.), or Nebrojet (NEVILLE BROWN & CO., LTD.). Each sells at 6s. 6d.



Left: Autoclip filter holder and lens hood (Johnsons of Hendon, Ltd.). See p. 268. Adjustable filter holder (Actina, Ltd.). See p. 268.

ENLARGER ADJUNCTS

First call for the owner of an enlarger should be a dust cover. Plastic sheeting bags are listed at around 12s. by NEVILLE BROWN & CO., LTD., R. F. HUNTER, LTD., JOHNSONS OF HENDON, LTD., PHOTAX, LTD., PHOTO-SCIENCE, LTD., and PULLIN OPTICAL CO., LTD.

Focusing aids of the reflex type are listed by APPARATUS AND INSTRUMENT CO., LTD. (the Vidox), K. G. CORFIELD, LTD. (C & J), and R. F. HUNTER, LTD. (Paterson, for which a magnifier is available as an extra). An interesting optical device made by JOHNSONS OF HENDON, LTD., is known as the Foc-o-line. It consists of a transparent plastic plate in the centre of which is a black four-point star design. During focusing the plate is swung over the lens and the extension adjusted until there is no double image

on the baseboard. The image is then in sharp focus. The complete accessory includes a red safety filter which swivels on the same stem as the Foc-o-line and can be fitted to most enlargers. It is priced at 14s. 7d., and there are two sizes: No. 3 for lenses up to 3½-in. focus; No. 4 for lenses of up to 4½-in. focal length.

Cases and gadget bags are essential for the serious type of amateur who carries spare film, exposure meter, filters, etc., with him. The selection, again is wide, and holdalls are available in various sizes, materials and fittings. The most luxurious are perhaps the Kritzer Omnica series offered by K. G. CORFIELD, LTD. NEVILLE BROWN & CO., LTD., also have a comprehensive range. PULLIN OPTICAL CO., LTD., offer a zip-fastened fawn holdall at £1 7s. 1d. PHOTO-

SCIENCE, LTD., market the Row range; NORTH STAFFS PHOTOGRAPHIC SERVICES list eleven a prices from £3 4s. 7d. to £17 10s. 3d. PHOTAX, LTD., market a holdall in plastic that resembles leather for £2 13s., and J. J. SILBER offer a range at prices from about £3 to £10 each.

Lengthy as this catalogue of sundries is becoming, it falls far short of the full extent of the subject. Enough has been written, it is hoped, to indicate the potential new business represented by the items listed in the manufacturers' and distributors' catalogues. No better advice can be given to the dealer than to take them down from the shelves and turn over the pages. They contain abundant ideas for extending the photographic department of the business.

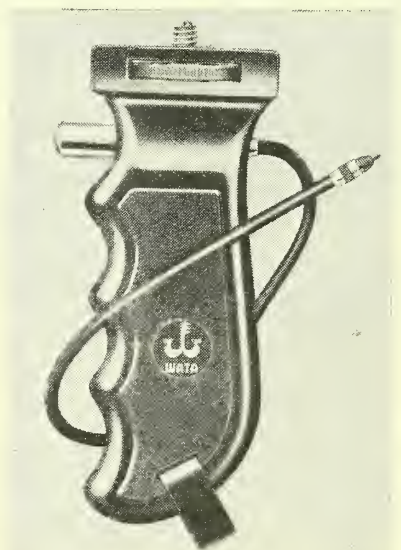
In April there is being held the second post-war Photo Fair, at which some £3,000,000 worth of equipment will be on show to the public. Every dealer should make an effort, at sacrifice if necessary, to visit the Fair and see what the amateur photographer is buying or being offered. The Fair is being held in the National Hall, Olympia, London, April 11-17. The first day (until 4 p.m.) is being reserved for the trade.

Finally, anyone who sets out to sell accessories should take steps to understand their purpose, or see that at least one member of his staff can talk intelligently about them. If a member of the staff studies for and gains the diploma of the Photographic Dealers' Association there will be no risk of failing to attract and hold the enthusiast whose photographic activities know no season.

PHOTOGRAPHIC NOTES

Banner and Awning Strip.—Display aids on sale from Kodak, Ltd., Kingsway, London, W.C.2, include a banner size 5 ft. by 4 ft. with the messages "Kodak Film" and "Developing and Printing" silk-screened in red and black on a Kodak yellow background, and an awning strip size 12 ft. by 15 in. and fitted with press fasteners and studs along the top.

Pistol-grip Camera Release.—Three obvious uses for the Wata pistol-grip release illustrated are that it enables the camera to be held with one hand and so eliminates any unsteadiness due to opposing pressures; allows a flashgun to be held away from the camera so that lighting may be varied or improved; and allows one hand to be used to protect the camera if it should be necessary to use it in the rain. The accessory is moulded from grey plastic, and fits comfortably into the hand, the release plunger coming conveniently under the forefinger. Pressure on the plunger actuates the antinuous release, which is 12-in. long. An important point is that the release is fitted with a swivel Compur/Prontor threaded end, so that it may be screwed into the release socket of the camera without twisting the cable. The grip itself is attached to the camera tripod socket by means of a ¼-Whitworth screw, which is captive in the head of the grip and has knurled edges for easy



finger manipulation. The camera sits on a rubber platform through which the screw protrudes. A wrist strap guards against the user's dropping the camera accidentally.

Flash "Bounce" Accessory.—Intended for use when it is desired to "bounce" the flash from wall or ceiling, the Flix bounce accessory marketed by Pullin Optical Co., Ltd., 93 New

Cavendish Street, London, W.1, has also several other uses. It enables the photographer to place the flashgun higher on the camera when using the flash facing the subject, and so lowers the shadow to a point at which it is not objectionable. The accessory is a chromium-plated flexible tube which may be bent in any direction. A shoe at the top has a spring to hold the foot of the flashgun in place. The lower end of the tube has a rectangular foot that engages in the shoe of the camera; a locking-screw secures the tube to the camera. The flash may be placed to one side of the camera to avoid reflections when taking a flash picture of a highly-polished object or when photographing through glass.

Developer Powder for Photo Finishers.—A new powder developer, Durol 7, has been specially designed by Kodak, Ltd., Victoria Road, Ruislip, Middlesex, for photo finishers. Intended for machine or hand-tank processing of both roll and miniature films, it has a development time of seven minutes at 68° F. (20° C.). It gives relatively low contrast and density with full emulsion speed, and its properties are ideally suited for projection printing equipment. Negatives are therefore easier and faster to print. It has a greatly reduced tendency to produce scum on films, and gives substantial freedom from scale formation on tank walls.

clips, etc. A fungicide has been incorporated to minimise growth of bacteria (a frequent cause of odours and sludges). Greater resistance to aerial oxidation results in longer tank life.

Photo Processing. — **BROADSTAIRS PHOTO WORKS, LTD.**, 13 Victoria Road, Ramsgate, offer a same-day postal service of developing and printing (direct delivery throughout the Isle of Thanet). — **HAAGMAN COLOUR LABORATORIES**, 18 Doughty Street, London, W.C.1, undertake processing of Ektachrome and particularly process E2 films.

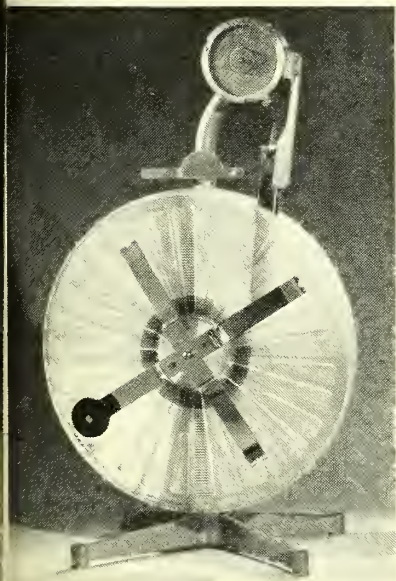
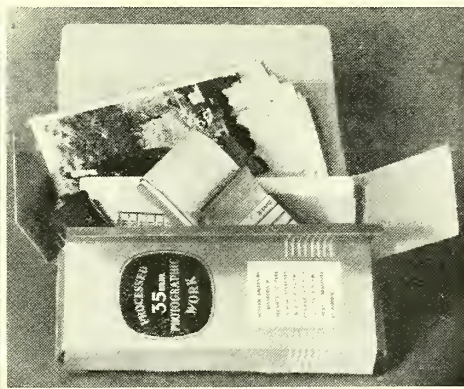
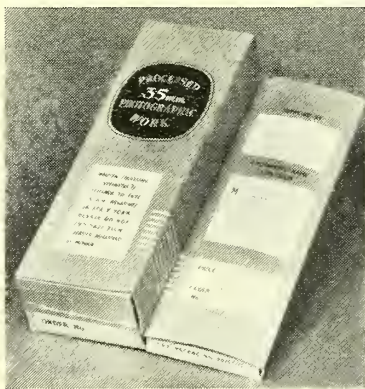
Filmstrip Printer.—The enthusiastic 35-mm. worker who wishes to make film-strips for projection, or even single positives as transparencies for conversion into cover-glassed slides, is enabled to do the work with the Ilford filmstrip printer, manufactured by Ilford, Ltd., Ilford. Perforated paper strips can also be used for "positive-proof" printing from 35-mm. films. The printer is pleasingly finished outside in silver grey. There are a feed-spool and a take-up spool for the sensitised material, which passes from one spool to the other over a guide roller, pressure plate and sprocket roller, and is held on the take-up spool by a spring. After loading, the cover is put in place and held by a knurled knob. To form a leader strip, 9 in. of the material is wound on and the user is then ready to start printing. Successive exposures are turned-on by a winding knob which at every half-size frame has to be freed by releasing a film-wind release lever so as to ensure

placing the printer in the beam of light from the enlarger or under a reading lamp. If the enlarger has a long extension bellows projection prints may also be made. A red filter in the base of the printer prevents fogging the sensitised paper or film during the positioning of negatives by light from below. The inside of the printer is finished dead matt black.

Handing-out 35-mm. Photo Work.—How best to issue 35-mm. films and prints to photo-work customers has long been a vexed question for dealers, dealer-finishers, and wholesale photo-finishers. Of many attempts to solve the problem the new TPS 35-mm. negative platform and wallet seems the best and most efficient. The makers are Temple Photo Service, 4 Bath Road, Bristol, 3. Purchasers receive the whole thing flat from the suppliers. It has three sections that make a platform about which the uncut 35-mm. film is wound, a card

It should be pointed out that any number, and any assortment, of those three parcels may be ordered at the same time, and they qualify for quantity discounts. The negative platform and lining paper method has been in use in America for a considerable time, and has been proved very successful.

Hypo Clearing Agent.—The recently introduced Kodak hypo clearing agent reduces the washing time of papers, films and plates to about a quarter of what is normally necessary. Kodak, Ltd., Victoria Road, Ruislip, Middlesex, are also marketing a new 35-mm. spiral film-processing outfit (model 100) and companion spiral film drier (model 100). The spool accepts 100-ft. lengths of film together with the integral leader and trailer that is included when the film is supplied on daylight loading spools. Each item is useful to microfilm handlers. The processing outfit provides a method of winding the



that, whatever size frame is being printed, the correct amount of material is wound on. There are negative carriers for both single and double frames. Each clips into the top of the printer, perfect contact being ensured by the sprung pressure-plate. The film is fed into two grooves on the underside of the negative carrier, which is then clipped into place on the printer. Correct positioning of each frame is ensured by placing the printer over a low level of illumination, such as a safe-light. Contact prints are made by

"ring" to slip over the platform to hold the film in place, and a double-pocket wallet that holds platform, a cassette, reorder form and up to thirty-six en-prints. The platform is assembled by tucking the ends into slots; the film is stapled to a length of smooth Glassine lining paper (supplied) and the end is pushed through a slot in the platform. Film and paper are then wound around the platform, and the ring or sleeve is slipped over it. The sleeve has a space for date and subjects. The wallet is assembled automatically as the platform and cassette are inserted, and a flap is tucked in behind them. Behind the flap is the space for the en-prints; side flaps are folded over the top of the en-prints, and a final flap is folded over them and tucked in. The whole pack, thus completed, forms a neat and attractive presentation. On the outside there is a space for the dealer's rubber stamp, the customer's name and address, and a third panel for the price and the order number. The pack is printed with a pleasing letterpress design, and the material is stout enough to make a sturdy package when filled with processed work. The printed order forms have spaces for thirty-six negatives, and for stating whether en-prints, postcards or other enlargements are required on reorders. Three "parcels" are available as standard orders. Parcel A consists of 100 negative platforms and sleeves, and two 260-ft. rolls of lining paper. Parcel B consists of 100 negative wallets. Parcel C consists of 100 reprint order forms.

film into a spool of spiral-groove type. When the outfit is used in conjunction with the drier, processing can be carried out from start to finish without handling the film at any stage after the free end has been attached to the spool by means of the clip provided.

Australian Equipment for Britain.—In process of formation is a new British company — Hanimex (U.K.), Ltd., an associate company of Hanimex Pty., Ltd., Australia; of Hanimex (N.Z.), Ltd., New Zealand, and of Hanimex (U.S.A.), Inc., San Francisco. The new company intend to market the range of Hanimex and Argus products manufactured in Australia by Fotek Corporation Pty., Ltd., the manufacturing associate of the Hanimex group. The first product to be introduced to the British market is the Slidelite viewer designed to give brilliant illumination for viewing 35 mm. colour slides. The Slidelite is a pocket-type viewer, made from polystyrene, and finished in mottled grey. The lens is a fine ground optical type which is said to give exceptionally clear pictures with automatic illumination when a slide is inserted under slight finger pressure. It is obtainable from Pullin Optical Co., Ltd., 93 New Cavendish Street, London, W.1. The Argus pre-viewer and 300 projector which have enjoyed success on the American and Australian markets, are to be the next releases. The Argus products are to be exhibited by Hanimex (U.K.), Ltd., at the British Photo Fair on stand No. 71. The general manager of the new company

is Mr. F. J. Bealey who was previously general sales manager of Amplion 1932, Ltd. Mr. Bealey will be pleased to hear from trade friends and may be reached by telephone at Archway 6626. Full details of the London sales office is to be announced later; for the time being the address is Hanimex (U.K.), Ltd., c/o Rolco Engineering, Ltd., 407 Hornsey Road, London, N.19.

"Simplest Ever" Camera. — Agfa, Ltd., 27 Regent Street, London, S.W.1, are manufacturers of a camera which they describe as the "simplest ever" for colour and black-and-white photographs. The instrument is the Isola, which has an Agnar f/6.3/75-mm. lens and Singlo shutter (1/30, 1/100, and B).

Supplies for Colour Photography. — Brook, Parker & Co., Ltd., Ashfield, Horton Road, Bradford 7, are carrying increased stocks of many varieties of reversal/negative colour photography material (Agfacolor, Ferranicolor, Gevacolor, Ilford colour, Pakolor, Raycolor, etc.), and invite photographic dealers to send for their "P" list.

Easy-loading, Self-erecting camera. — J. J. Silber, Ltd., 51 Avenue Chambers, Vernon Place, London, W.C.1, are distributors of the Baldixette 2½ x 2½-in. camera with Balda f/9.7/2-cm. lens, easy loading (swing-out film chamber), self-erecting barrel, flash synchronisation, etc. The camera is modestly priced and a number of accessories are available.

Camera Repairs. — BOWENS CAMERA REPAIR SERVICE, LTD., 3 Albemarle Way, Clerkenwell, London, E.C.1, undertake all types of repairs to photographic apparatus, and have available

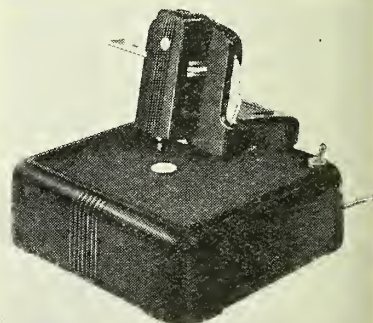
for chemists a price list and show material. — DONVIN INSTRUMENTS, LTD., Midland Terrace, Victoria Road, London, N.W.10, advertise to persuade camera users to consult their photographic dealer about repairs and reconditioning of cameras, lenses, etc.

Photographic Chemicals. — R. W. GREEFF & Co., LTD., 31 Gresham Street, London, E.C.2, are distributors of bromides, hydroquinone, metol, potassium iodide, pyrogallol acid, etc., for spot delivery and on contract. — Photographic chemicals and accessories for the amateur are the speciality of JOHNSONS OF HENDON, LTD., London, N.W.4. Messrs. Johnsons' proprietary developing solutions include Azol, Capitol, Meritol-metol, and Unitol.

Photographic Supplies. — KENMORE (MERCHANTS), LTD., 81 Westgate, Bradford, 1, specialise in prompt delivery of photographic goods manufactured by Adhesive Dry Mounting Co., Ltd., A.E.I., Ltd. (Mazda flash bulbs), Dufay, Ltd., Ediswan Co., Ltd., Ever Ready Co., Ltd., General Electric Co., Ltd., Hallfield Press, C. H. Halliday, Ltd., Kleenstik, Ltd., North Staffs Photo Services, Pathscope, Ltd., Philips Electrical, Ltd., Photax (London), Ltd., Rexel, Ltd., Sherwoods, Siemens Bros., Ltd., Thorn Electrical Industries, Ltd., and Denis Wright, Ltd. — Plentiful supplies of apparatus, accessories, chemicals and sensitised materials are kept in stock by SANGERS, LTD., 258 Euston Road, London, N.W.1.

Colour Densitometer. — The Kodak colour densitometer, model I, illustrated, has been specially designed for making density measurements on

colour and black-and-white photographic materials. The measurements can be taken to the centre of a sheet of film measuring up to and including 8 x 10 in. It is intended principally for use in film laboratories and photo-finishing plants. The optical system is based on a new type of annular, rotatable density wedge made from clear stable plastic through which are dis-



persed minute graphite granules. The densitometer, of comparator type, is not affected by line voltage fluctuation and an occasional check of the zero setting is all that is needed to ensure accurate readings. The densitometer is useful for making colour correction masks and colour-corrected separation negatives from Kodachrome and Ektachrome transparencies. With its aid the black-and-white photographer can determine what contrast grade of paper to use, and can accurately predict exposure times in printing. The makers are Kodak, Ltd., Victoria Road, Ruislip.

THE DIABETIC PATIENT

Hospital's consulting physician addresses Southampton Branch

DIABETICS comprised nearly 2 per cent. of the population and the proportion increased in the later age groups, Dr. P. GRAHAM TODD (consulting physician to the Southampton group hospitals) told members of the Southampton Branch of the Pharmaceutical Society at a recent meeting. Approximately 200 new cases were seen each year at Southampton and in 20–25 per cent. of cases there was a family history of diabetes. There was an increased chance of a mother who had a large family and who had put on weight successively with each pregnancy, becoming a diabetic, and an increased chance of the later children developing diabetes in adult life. In fact for a considerable time the mother might be in a "pre-diabetic" state.

Prospects in Pregnancy

The use of hormones in preventing miscarriages in a series of that type was not conclusive and there was only a 50 per cent. chance of those pregnancies coming to term. It was also quite common to note that the age at which diabetes occurred was reduced in succeeding generations. Efforts had been made to avoid some of the effects on the child by Caesarean section at thirty-six weeks to produce a premature infant but of normal birth weight.

The outlook for the young diabetic was not good, apart from the normal

infection risks there was an abnormally high percentage risks of tuberculosis although careful nursing and hygienic precautions could help to a large extent.

Latent Liabilities

There was the liability after ten to fifteen years to retinitis, hypertension, renal disease and cardio-vascular failure even in well controlled cases of diabetes mellitus. The older diabetic often responded favourably to a reduction in weight, and titration of blood insulin by the rat-diaphragm method showed that the amount naturally present was usually sufficient for the patient's requirements if his body weight were normal. In fact an overweight patient could be in a pre-diabetic state for some time, becoming diabetic intermittently, after the heaviest meal of the day or when he had an infection. The possible complications for older patients were the same as for the younger, but allowances had to be made for the effects and diseases of age. Mr. H. R. EYRE asked whether the hurry and scurry of modern life had any effect on the incidence of diabetes. Dr. TODD said that the stresses of modern life had no effect; the main factors other than heredity appeared to be nutritional. Diabetes was a disease mainly of Western European

and North American races and prevalent among prosperous individuals or in countries with a high standard of life, and hence of nutrition. It appeared to be linked with a high intake of fat and sugar. Mr. F. S. LEAPER asked whether a familial history of diabetes was always present. Dr. TODD stressed the importance of that factor but said that it was not necessary. Apart from nutrition, shock or trauma might be causative factors, but he stressed that it was always difficult to rule out latent diabetes. The effect of diabetes on the progress of other diseases was not marked, except in the case of tuberculosis. Mr. EYRE asked if inherited diabetes followed Mendelian laws, and Dr. TODD said that it did not completely do so, tending to follow on in successive generations and not to miss alternate ones. That was particularly so where large families were involved.

Diabetic Motorists

In answer to further questions Dr. Todd said that with diabetic motorists there was little more risk than with other patients with chronic conditions, and many insurance companies did not require unduly high premiums for diabetic drivers. Despite the fact that many diabetics used little aseptic technique, there were comparatively few cases of sepsis.



The CHEMIST AND DRUGGIST

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TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

Spirit Prices Soar

THE steep increase in the price of ethyl alcohol which came into effect on March 1 (see p. 280) must inevitably have far-reaching consequences on the price structure of many chemicals and galenicals. Already acetic acid and various acetic derivatives have been marked up by one large manufacturer, and there can be little doubt that others will follow suit as stocks of alcohol costing over 50 per cent. more than last week are brought into use.

Most of the ethyl alcohol in Britain is made from molasses, though an increasing amount is now being made synthetically from ethylene—only a few weeks ago it was announced that a plant for that purpose had commenced production at Grangemouth, Scotland (C. & D., February 16, p. 183). But whether the starting-point be molasses or petroleum (for ethylene) the cost of both raw materials has risen substantially during the past three years, and particularly in the past three months. In addition, considerably higher ocean freights, labour and home distribution costs have combined to force the price of alcohol up to its present level.

Until the advance now under discussion, ethyl alcohol had been fairly stable in price since 1953. In April of that year the minimum price per proof gall, of 95 per cent. spirit was lowered to 2s. 11d. from 3s. 5½d. In January 1954 it was reduced a further twopence and remained unaltered for two and a half years, when it became 2s. 11½d. The last occasion on which alcohol underwent a comparable price increase to the present one (and for the same reasons, brought on then by the Korean war) was in April 1951, when it jumped from 2s. 2½d. to 4s. 5½d.

At present approximately half of the total industrial alcohol production in the United States is obtained by synthesis and there, as in Britain, the proportion is expected to increase as ethylene production is stepped up, for the process becomes a cheaper proposition than production from molasses under the conditions of today. But the British Pharmacopoeia still requires ethyl alcohol to be produced "by the distillation of fermented saccharine liquids."

An Insidious Practice—and the Remedy

OUR attention has been drawn to a leaflet that is enclosed by a manufacturer in each bottle of an advertised proprietary. Listing other products of the company, it states: "If your chemist cannot supply you, tick item(s) desired . . . , fill in your name and address . . . and mail today. Goods will be despatched by

return post." To make use of the pharmacist in this way in order to sidetrack supplies away from retail channels appears to us to be a reprehensible practice against which the chemist, unless he is to open a sealed original package of every proprietary item stocked, has no redress because only by accident can he get to know what is going on.

The possibility of being the victim of such a practice seems to us an added reason for closely adhering to the principles and policies of the Chemists Federation, one of whose functions is to examine the literature of manufacturer members.

Less than the "Pound of Flesh"

FROM time to time the Board of Inland Revenue publishes details in its annual report of tax concessions allowed in an attempt, by bridging gaps in the Income Tax Act, to spread the burden of taxation more evenly. The full list of concessions is long and not without surprises. A number of small features of the country's taxation system have had a long acceptance if no statutory authority, even though notes about them are incorporated in the sheet of explanations that accompanies the income tax return form.

On the ground that it was no business of the Board to act as a self-constituted buffer between Parliament and public by trying to rectify anomalies in that way, the Royal Commission on Taxation was inclined to criticise extra-statutory concessions. The Royal Commission considered that the proper course was to bring such anomalies to the attention of Parliament in a Finance Bill. Nevertheless no Act can cover every eventuality, and any evidence that on occasion the tax authorities act with reason and humanity is welcome.

An example arises over tax that becomes overdue through the taxpayer's death. On overdue Schedule D tax interest at the rate of 3 per cent. is chargeable, plus surtax if the duty is not paid within three months of the due date. If the taxpayer dies before he has paid his tax for the year, does his estate have to be penalised because his executors, through no fault of their own, cannot obtain probate in time to get the tax paid before the time limit runs out? No provision for any allowance in such circumstances is made by the law, but the Board waives the interest.

Another point of interest to pharmacists is that, when a business is discontinued, special rules of assessment are applied which give the tax inspector power to make an additional assessment for the last but one year if the actual profits of that year are greater than the amount already assessed for that year. The application of that rule often comes as an unpleasant surprise. When a business technically ceases as a result of the death of the proprietor, and the succession passes to, say, a wife who has been living with him, the Board does not put into operation the ordinary discontinuance provisions unless asked by the survivor to do so.

Friends of the Gadget

AMONG amateur photographers today the demand for accessories has intensified because the prices of the basic materials are at levels which do not permit carelessness over exposures, or colour values, or apparatus that does not remain steady during use. The photographer's need coincides with the dealer's opportunity for profit. Hence the emphasis in our Photographic Supplement this week (pp. 265-72).

A DANISH PHARMACY PRESERVED

A "living" illustration of early methods and equipment

IN Denmark's remarkable "live" museum, *Den gamle By* (the Old Town), Aarhus, Jutland, an apothecary's shop is naturally an important exhibit.

The museum, begun in 1914 as the first World War was breaking out, stands in a pleasant park less than a mile from the centre of the town. It is the fulfilment of a dream



of one Peter Holm, who devoted his life to saving historic houses threatened by decay, or condemned to demolition by the rapid development of modern towns.

When Holm, after having dismantled and numbered every brick and beam, began moving his first rescued house—the ancient residence of the burgomasters of Aarhus—no building existed in the quiet valley that is the present site of the "Old Town." Today the valley houses fifty or more old houses and shops from all parts of Denmark. They have been rebuilt along twisting, cobbled streets leading from the town square, and along the banks of the still stream that serves an ancient mill. It is almost difficult to believe that the town has not stood undisturbed for centuries, so strong is the illusion of antiquity, and so serenely and inevitably does the "town" blend with the wooded slopes upon which it has been sited.

The apothecary's shop stands at the end of Vestergade, a steep cobbled street which leads down to a bridge by the mill. It is a half-timbered seventeenth-century house brought there piece-by-piece from the town of Aalborg. In its new station, framed by trees which overhang the quiet mill stream, the house is one of the most beautiful in the Old Town. Its timber framing is filled with intricate tile patterns, and its floor beam brackets are delicately carved. It has, too, a doorway carved with symbolical figures, and above the door a lamp bearing the word "Apotek" hanging from a decorative wrought-iron bracket.

The house is no mere architectural shell, Peter Holm intended his museum of old buildings to provide a detailed demonstration of the ancient skills of his country. Accordingly the apothecary's house contains a display of old equipment, instruments and apparatus, collected over the years from pharmacies all over the country.

Most of the fixtures and fittings in the large dispensary, for instance, came from the shop of the Unicorn Pharmacy, Copenhagen. Careful restoration of the furniture uncovered the original traditional decorations on the drawer faces. Valuable old jars and containers have been presented by shops in many Danish towns.

At the end of a passage leading from the dispensary is a laboratory, in which has been installed an old hearth for crucibles and retorts, and a massive still.

On the floor above are housed a collection of rare containers and jars, and some of the more extraordinary medicaments that have happily passed out of use. The roomy cellars of pharmacies were used largely for storage. But those at the Old Town pharmacy also contain two large presses used for the extraction of essential oils.

Even in early times it was not possible for all and sundry to set up as apothecaries in Denmark. To do so required the grant of a royal charter, a privilege normally reserved to only one person in each town. Nor did the apothecary in Denmark concern himself with the treatment of the sick. The right to do so was reserved to the doctors and, in earlier times, to the barbers, who were allowed also to perform some minor surgery. The apothecary was concerned only with the preparation and sale of medicinal substances.

Onward from Galen

A CURRENT CAUSERIE

"HAVE they disappeared?" asks a reader, "the several once-popular preparations containing small quantities of opiates, exempted by limit from the Poisons Regulations, that could still be sold if correctly labelled? Godfrey's cordial, for instance, I used to make gallons of it in the first decade of the century, and can see with memory's eye the fluted green syrup bottle with its recessed label in red and gold in which it was kept. I can smell still the oil of sassafras which, with alcohol and laudanum, I stirred into the black treacle. One of the recognised perquisites of the apprentice was to lick clean the sticky film adhering to the wooden spoon at the end of the operation." Or "gasman's mixture," so called because it was made from a recipe given to householders by a benevolent collector of coins from the gas meters whenever he heard any member of a family he visited on his rounds shaken by a racking cough? It, too, contained tinct. opii, along with liq. amm. fort., tinct. capsici, and chloroform. "I wouldn't now light-heartedly recommend any such preparations, and if they no longer exist it is no matter," adds the correspondent, "but in my retirement I sometimes wonder whether those and similar products, much in demand in my young days, have gone completely out, or whether they survive in odd corners."

★



"Mixing a Recipe for Corns" (1822) a cartoon by George Cruikshank (1792-1878), reproduced from a print in the possession of the Pharmaceutical Society of Great Britain.

PHARMACY AND THE NEW STATE OF **GHANA**

H. DAVIS, C.B.E., Ph.D., F.P.S.
(Chief Pharmacist, Ministry of Health)



ON March 6 the Gold Coast and the territories comprising it became the independent State of Ghana. The time is appropriate to recall some of the outstanding pharmaceutical features of the visit I made in August and September 1956. For two months, at the request of the Colonial Office, I was seconded to the Gold Coast Government as a pharmaceutical adviser. My terms of reference were wide: I was to review the measures taken and projected in the Gold Coast for the development of pharmacy and for the control of poisons and dangerous drugs, and to make recommendations on the training of pharmacists, the organisation of the Government pharmacy service, and the organisation of the territory's Pharmacy and Poisons Board.

On August 1, 1956, I left London Airport in a B.O.A.C. Argonaut. The weather was abominable—wet and windy, in fact—and typical of last year's wretched summer.

My neighbour in the crowded 'plane turned out to be an Irish pharmacist, Mr. Dennis O'Shea, *en route* for Kumasi in the service of Kingsway Chemists, Ltd. He was returning from leave after a spell in Sierra Leone for the same company. It was his first visit to the Gold Coast. After a journey of about eighteen hours, with stops at Rome, Tripoli and Kano, we arrived at Accra. There I was met by the Acting Permanent Secretary of the Ministry of Health, the President and leading members of the Pharmaceutical Society

of the Gold Coast, and Mr. R. McMillan (United Kingdom Information Officer) who was to do so much for me during my tour. By a strange coincidence I had met Mr. McMillan on my home golf course at Hatch End a few weeks before I left for Accra. He had been responsible for the publicity of my intended tour in the Gold Coast Press.

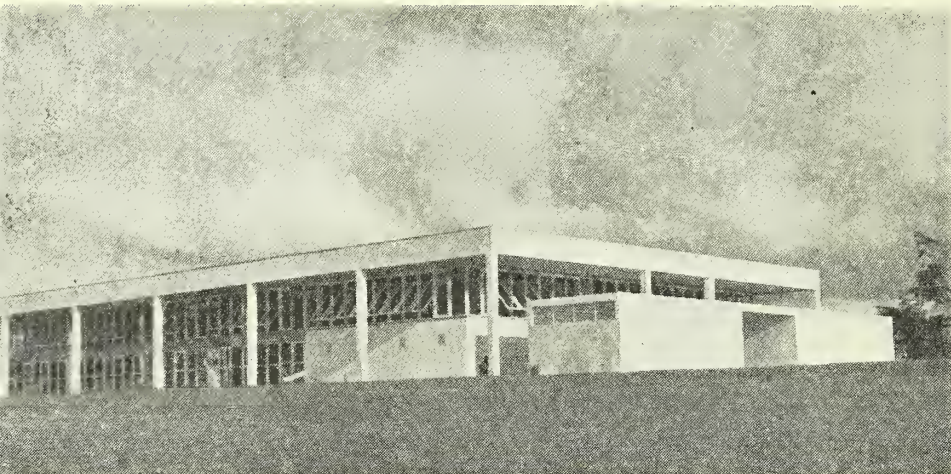
Evolution of Training

Before describing the most notable features of the tour I must give a few outlines of the history of training of the Gold Coast pharmacist. In 1892 the Druggists' Ordinance introduced a limited control over the sale of drugs and poisons. Authority to licence suitable persons was vested in the Colony's Medical Department. No organised training was stipulated in the Ordinance. In 1921 the Government set up a small Dispensary School in which only Government pupils were trained. The teachers of dispensing consisted essentially of ex-R.A.M.C. sergeant-compounders. The examining board comprised the Deputy Director of Medical Services as chairman, and two other medical officers. There were no prescribed standards for entry. In 1946 a Pharmacy and Poisons Ordinance was introduced. Its chief feature was to transfer authority in pharmacy from the Medical Department to a newly created Pharmacy and Poisons Board. The registered druggists of the 1892 Ordinance were automatically included in the register of pharmacists the Ordinance of 1946 established. In 1950 an attempt was made to introduce a new Pharmacy Ordinance but opposition, chiefly from the Pharmaceutical Society of the Gold Coast, prevented its passage into law. The Pharmacy and Poisons Board has eight members, of whom only three are pharmacists. The training of the pharmacist has progressed rapidly during the past few years and in 1951, realising that the educational standard was low, the Dispensary School was closed. In December 1952 a new Pharmacy Department was opened in the College of Technology, Kumasi. The students today take a four-year course—two years for the intermediate and two for the professional subjects, the examination syllabus being almost identical with our own.

Although the Department was closed during my visit I met several students on vacation. They were full of praise for the school and its training, but apprehensive about their prospects. In that they were fully justified, as the



Kumasi Central Hospital



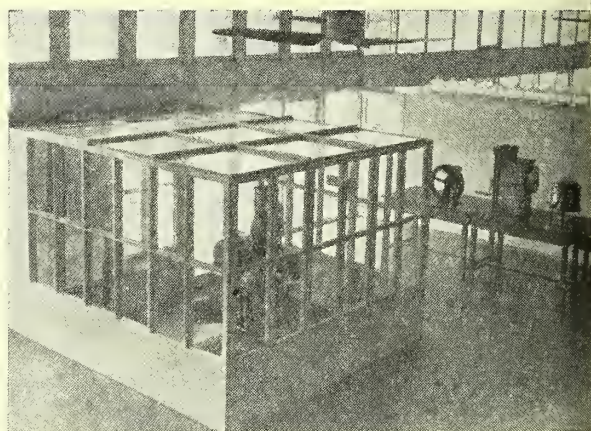
The pharmacy block at the College of Technology, Kumasi

salary for a Grade II Pharmacist in the Government Service was only £190 x £10 to £220 and £220 x £15 to £370 per annum. Clearly the Government pharmacists are included amongst the lower-grade technicians, probably because of their previous low-grade training. The problem that now faces the Government is how to ensure adequate opportunities for the young pharmacists coming from Kumasi after a good professional training. I met many of the younger pharmacists who had trained at the old Dispensary School and, in spite of their lower training, I was impressed by their keenness and knowledge of the work they were doing.

Visit to College

The head of the pharmacy department (Mr. E. A. Allman, M.P.S., F.S.M.C.) returned prematurely from his leave in England in order to spend a few days with me in Kumasi before the end of my tour. My visit to the College of Technology was a remarkable experience. It stands in a clearing, formerly in the heart of the forest, magnificent in its modern buildings, all beautifully designed and equipped and a credit to the Gold Coast. The pharmacy department, which cost £100,000 to build and equip, is a self-contained block comprising laboratories for dispensing, galenical pharmacy, aseptic dispensing, pharmaceutical chemistry, physical chemistry, pharmacology and pharmacognosy, with a research laboratory for each subject, preparations rooms and its own lecture rooms. As the illustration shows, it is a single-story building with mezzanine floor. As proudly stated in the

College Prospectus it "is considered to be the equal of any building constructed for this type of work, in Great Britain." With the possible exception of the new School of Pharmacy of the University of London, that claim is more than true. The building is, of course, equipped with electric light and running water, but has also its own petrol/gas plant, a positive-pressure system for the aseptic laboratories, and air-conditioning, with insulated ceiling in certain laboratories and rooms. Its large, flat roof is designed to collect the water during the rainy season; the collected water passing from the roof to storage tanks which supply the Department with water until the advent of the next rains. A significant pharmaceutical feature is the housing of the Marshall & Niles tablet machine in a greenhouse-like



Tablet machine fully enclosed to permit suitable conditions of humidity during tableting

structure in the galenical laboratory. In that way the humidity of the atmosphere is adjusted to the degree required for successful tableting in the Gold Coast atmosphere whose humidity is normally much too high for tableting. I was told that the College is introducing its own diploma in pharmacy, which it is hoped will be accepted by the Pharmaceutical Society of Great Britain for reciprocity.

The Gold Coast is a country of amazing contrasts. In Kumasi I saw one of the finest hospital buildings I have ever seen. Pharmaceutically, however, it was a great disappointment. So inadequate was its pharmaceutical department that I was forced to conclude it was omitted from the original plans and a large room provided as an afterthought. A modern hospital pharmacy built here could play an important part in the practical training of students at the College of Technology. By contrast I saw, at the Gold Coast Hospital, Korle Bu, Accra, an excellent new pharmaceutical department, almost completed, being adapted to a comparatively old hospital. The department compares favourably with the best of hospital pharmacies in Britain even in the teaching hospitals. The two principal pharmacists (Messrs. Agyepong and Tackie) both London-trained, had obviously applied their experience.



Outside a doctor's surgery at Takoradi. Time: 8 o'clock in the morning.

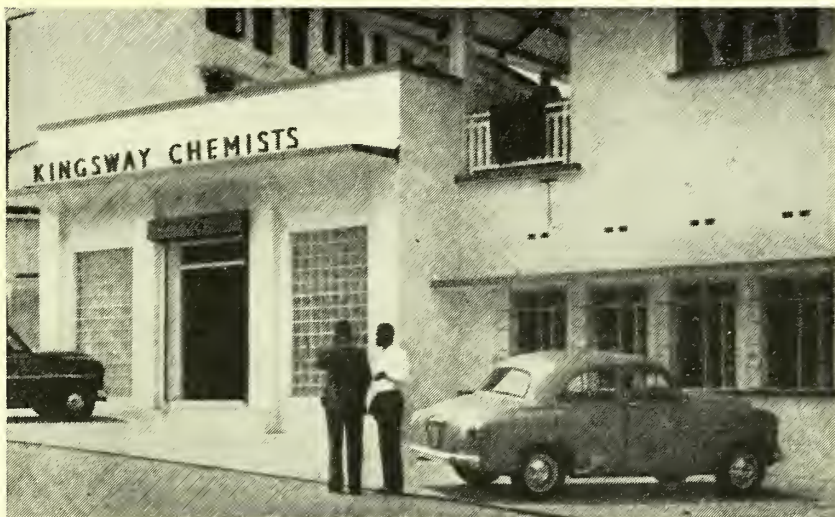
I visited many hospitals, large and small, Government and non-Government, including those at Accra, Kumasi, Takoradi, Tamale, Bolgatanga, Yendi, Oda, Koforidua, Kibi, Ho, Salaga, a leprosarium at Ho, a missionary hospital at Navrongo and two mines hospitals at Akwatia and Takrawassi. My visit to those two diamond mines was interesting in both the pharmaceutical and chemical senses. At Akwatia I saw the complete extraction of diamonds, from the collection of the earth to the separation of the individual industrial diamonds. At Akwatia I also saw a model hospital, small but well equipped and most efficiently run. Bolgatanga Hospital also impressed me with its design and efficiency. Co-operation between doctor and pharmacist — both comparatively young — was clearly demonstrated. During my visits to Navrongo and Bolgatanga in the Northern Territories the rain was incessant, preventing me from taking photographs.

Distribution and Manufacture

In Accra I visited the premises of the leading wholesalers and distributors, including Harding & Co., the Kingsway Chemists, Ltd., Major & Co., and the Union Trading Co. of Basle. Between them those companies hold most of the agencies for British, German and Italian proprietaries. Kingsway Chemists, Ltd., part of the immense United Africa Co.'s organisation, have, in addition to their wholesale trading, modern retail pharmacies in most of the leading cities and towns in West Africa. The manager in Accra (Mr. J. R. John) is known throughout the pharmaceutical and medical world of the Gold Coast. Like many other European pharmacists in West Africa he is a Scot, his rich accent being as pronounced as on the day he left Scotland. Mr. John's knowledge of the Gold Coast is profound, and most readily he shared it with me on the many occasions we met. The company's modern retail pharmacy in Accra was well-staffed with pharmacists, both African and European. Mr. John told me the African pharmacists did most of the routine dispensing. Some had shown themselves quite worthy of managing branches in towns like Cape Coast, Tamale and Takoradi and were doing excellent work. Towards the end of my stay I was able to visit the new wholesale drug department of the Union Trading Co. of Basle. The department, with its modern fittings, typified the rapid progress being made in the country. It was under the supervision of two Swiss pharmacists assisted by a complement of African pharmacists. French trading is in the capable hands of the large organisation always referred to as S.C.O.A. One soon becomes accustomed to this love of abbreviations such as U.A.C., U.T.C., S.C.O.A., etc.

Preparations fall into the two orthodox classes: ethical and popularly advertised. I was soon to learn of the African's love of the trade mark, and I appreciated the force of many arguments I had previously listened to on the point in official talks in England with the Association of British Pharmaceutical Industry. European eyes can see in West Africa many glowing examples of the popular proprietaries whose appeal is to the uneducated mind. One preparation I picked up was labelled "Long Life Power Pills" with the following formula:—

Ferr. sulph. exsicc., 8·7 per cent.
Methylthionin. chlor., 4·3 per cent.
Ipom. pulv., 21 per cent.
Oleores. capsic., 0·6 per cent.
Colocynth. pulv., 17·4 per cent.
Phenolphthal., 8·7 per cent.
Podoph. res., 4·3 per cent.
Aloe, 26·1 per cent.



A new European pharmacy at Takoradi



A drug store at Accra



An African pharmacy. Though under qualified proprietorship its title is still "drug store"

On that analyst's nightmare the label said: "For purging the bowels there is nothing finer." Another preparation possessed the peculiar formula of spleen substance, liver concentrate paste, pancreatin, iron-manganese peptonate, wood creosote, guaiacol, sodium hypophosphite, pot. phos.

diabetic, malt extract with extract of cherry, eucalyptus and santius (?)—Dose: Adults, 1 tablespoonful six times a day. "Indicated for catarrhs, colds, bronchitis; a general tonic following pneumonias and fevers." Then I saw a brand of tablets labelled "Marvellous strength producer for loss of vigour through illness, overwork, excess or old age." Perhaps the gem was a "medical rapture cure" which, on two successive occasions, was advertised in the most popular daily paper as a "medical rapture cure." There are many such examples but of one thing I am certain: their days are numbered. The Ministry of Health is alive to that sort of exploitation and intends to put a stop to it.

Injection "Politics"

Ethical proprietaries in the territory are similar to many of our own, but there is an emphasis on parenteral preparation. The West African has great faith in the power of the hypodermic needle and the more painful the injection the more likely is the cure. As he has seen what, to him, has been the miraculous cure of yaws by means of the organic bismuth injections, his faith is understandable. The shortage of doctors in the country, and the great faith in injections has led to what appeared to me to be an *impasse* in the relationship between doctor and pharmacist. Many pharmacists have been trained in the Government service to give injections. They therefore argue that it is their right to continue administering that form of treatment when they go into private business; in spite of the law, which forbids it, some pharmacists do. I listened to both doctors and pharmacists. The doctor complains that, if he sends his patients with their prescriptions to a pharmacy, the pharmacist will offer to continue the treatment for lower fees. The pharmacist says that the doctor refuses to use his dispensing services, and that he is thus forced to resort to some form of remunerative business. One sees the paradoxical position of the pharmacist, unable to stock the latest drugs (which are often restricted to supply on prescription) because he never receives a prescription for them. That is the pharmacist's dilemma. He is also faced with cut-throat competition from unqualified vendors of medicines both in the innumerable drug stores and on the many markets. During my first meeting with representatives of the Pharmaceutical Society of the Gold Coast, my attention was drawn to that position. I was invited to accompany the secretary of the Society on a market inspection. Even at the entrance I was confronted by a small girl with a tray offering "A.P.C. tablets—cheap." The stalls in the market amazed me. I saw huge displays of A.P.C. tablets, senna leaves, Izal, Dettol, Neko soap, cascara tablets, penicillin ointment and tablets, and many of the proprietaries that form a large proportion of the pharmacist's over-the-counter sales in the United Kingdom. That position can be eased by future legislation, provided there is an efficient system of enforcement. Compared with the problem of the doctor-pharmacist relationship it is easy.

My tour also took me to Nigeria, where I spent three days in Lagos. My host and companion was Mr. A. J. Bearman, Ph.C., formerly principal of the School of Pharmacy, Yaba, and recently appointed to the highly responsible post of Chief Pharmacist to the Federal Government. During my short stay in Lagos I visited the Anjorin pharmacy of Mr. Oso, a recent visitor to London and secretary of the Association of Nigerian Pharmacists, which aims at being the counterpart of Britain's National Pharmaceutical Union. At a reception given by the Nigerian pharmacists in my honour I met many pharmacists, Nigerian and European, many of whom represented well-known British and American firms. I visited the busy Lagos General Hospital, which employs sixteen pharmacists, eight working from 8 a.m. to 2 p.m., six from 2 p.m. to 10 p.m., and two on night duty. The pharmaceutical department was congested yet, considering the conditions, it was neatly and efficiently run. Soon an excellent new pharmaceutical department will be built: I was able to see the plans and discuss the project with Dr. Leitch, the acting Federal Deputy Chief Medical Officer. I

also had a long and friendly discussion with Sir Samuel Manuwa, the Chief Medical Adviser of the Federal Government. At the School of Pharmacy at Yaba I saw the excellent results of Mr. Bearman's previous appointment. As in the Gold Coast, I visited African and European pharmacies, including my old friends Kingsway Chemists, Ltd. I realised that Nigerian pharmacy had to contend with similar problems to those of the Gold Coast.

For the first time in my life I kept a diary. It makes fascinating reading but makes almost impossible an adequate *résumé* of my journey. I took many photographs in colour and in monochrome. On my first day my photo-electric exposure meter of 1936 vintage packed-up as a result of a fall. I therefore slavishly followed the exposures given in the literature enclosing the cassettes. Result: I have the best exposed set of colour slides I have ever taken. There must be a moral to this! One thing I was advised to do, and did most carefully, was to expose the film speedily (no strip was ever in the camera for more than three days), pack and post it by air-mail immediately to England. That prevented any sign of the deterioration which is so often experienced in conditions of tropical temperatures and high humidity.

By the time this is in print, the new State of Ghana will have been born. THE CHEMIST AND DRUGGIST will be read in Accra, the seat of government and the headquarters of the Pharmaceutical Society of the Gold Coast. To those pharmacists to whom I owe a deep debt of gratitude for their kindness and forbearance, for their hospitality and innumerable courtesies, I wish well in the problems that face them. Their British colleagues will be interested in their progress. They now extend the hand of friendship to the youngest member of the Commonwealth.

SICK PARADE OF 1957?

*THE public now are wondering
What sickness will be like.
If the medical profession
Decides to go on strike!*

*Maybe the Government will act,
The wages-war to win,
And do as in some strikes before—
Just put the army in!*

*Would local surgeries be staffed
By army personnel?
By R.A.M.C. officers
And G.D.O's as well?*

*And with the orderly sergeant
Would contact first be made?
To obtain his kind permission
To join the sick parade!*

*Would treatments be about the same?
We'd have to wait and see,
But doubtless lots of 'em would get
The well-tryed M. and D.!*

*Would patients the M.O. had seen
Then find the Q.M. store,
For issue of one bottle, glass,
And corks, one, bottle, for!*

*And would one bottle be enough?
Or would the need be three?
It could be that prescriptions
In triplicate might be!*

*And it might be that prescribing
Would be on diff'rent lines,
Instead of "patents," we might be
Dispensing number nines!*

W. WEST

ANY BUSINESS QUESTIONS?

At what price should goods taken out of stock be charged to the proprietor of a business? The tax authorities have asked me what stock I have personally consumed in the past business year. They now want to charge me with it at sale price.

THE inspector of taxes has taken that attitude as the result of a case which went to the House of Lords and which, although not dealing with a retail trading concern, nevertheless had a bearing on the point. Previously adjustment in respect of goods consumed by the proprietor or his family were effected at cost price of those goods. That is to say, if the accounts did not already include the adjustment, the computation in arriving at the tax assessment would take it into account. The proprietor was required, not to pay for such goods, but to deduct from purchases charged the cost of goods taken out of stock available for resale and consumed; otherwise he would be charging against taxable profits expenditure unrelated to the business. Since the decision referred to was made, the Revenue appears concerned to treat such withdrawals of trading stock as virtual sales, and to tax the sole-trader business on the advantage gained. A partnership would be in a similar position, but a director would himself be taxed on his "benefits."

We are a private limited company and have acquired an investment of ordinary shares in a well known pharmaceutical concern. Will it be necessary to re-value the shares at the end of the financial year, and is the paper loss or gain to be reflected in our accounts for the year?

AN investment of this kind does not depreciate, but fluctuates in capital value. Under the Companies Act, 1948, a limited company is required to state the aggregate amounts respectively of quoted and unquoted investments, and to show on the balance sheet (or in a statement or report annexed to it) the aggregate market value of the quoted investments. Provision is, therefore, to some extent made to indicate the position. A revaluation would doubtless be called for if there were something like a permanent fall in value but investments should not be written up except in special circumstances (though, if there were other investments, a rise in the value of some may be set-off against a fall in the value of others). The balance sheet indicates clearly the basis of valuation. In a revaluation, the median quoted price would be utilised or referred to. As your company is not one whose business includes the buying or selling of stocks and shares, gains and losses in share values are excluded from your tax assessment.

My son is soon to leave school and take up an apprenticeship and I have claimed child relief for him. If his income should go above £85 per annum, is a grading-off of the allowance granted me in respect of him? I know that such grading applies to dependent-relative relief and it would seem only reasonable that similar treatment should be meted out for child allowances.

No deduction is given in respect of a child who has, in his own right, an income over £85 per year, but scholarship grants, bursary or similar educational endowments are ignored in considering the child's total income in any tax year. A claim for tax allowance on £100 may be made for a child who is under sixteen years of age at any time within the tax year or, if over sixteen, is receiving full-time instruction at a university, college or school or other educational establishment. Relief is also extended to a child over sixteen years of age who undergoes full-time vocational training under articles or apprenticeship or similar arrangements for training for a trade, profession or vocation, if the period of training is not less than two years. Wages, etc., even where a premium has been paid, would be considered as income in the hands of the child, and the whole of the allowance is withdrawn on the child's income exceeding the stated limit.

My income is such that I obtain the maximum earned income relief I am entitled to. My wife has also been for the past eighteen months in receipt of some part-time earnings and the inspector now wishes to assess

me on earned-income relief given on her earnings. He also insists that I am not entitled to her full personal allowance, but only to seven-ninths of her income. Will you explain the position to me?

IN the calculation of earned income relief the earnings of the taxpayer's wife are included with his own, and maximum earned income relief is given on the combined total earned income. For purposes of income tax, the income of a married woman living with her husband is regarded as his. Having previously paid tax under P.A.Y.E. coding, she will have obtained earned-income relief in excess of the maximum. A wife is also entitled to an additional personal allowance (equal to seven-ninths of her earned income) up to £140 in the years 1955-56 and 1956-57. If, therefore, no further earned-income relief is available against her earnings, nothing is allowed but that additional personal allowance. With a small earned income the full additional personal allowance may not be reached.

NEW BOOKS

Quantitative Analysis of Drugs

D. C. GARRETT, B.Sc., Ph.D.(LOND.), F.R.I.C. (chief analyst, Boots Pure Drug Co., Ltd.), Chapman & Hall, Ltd., 37 Essex Street, London, W.C.2. 8½ × 5½ in. Pp. 670 + xv. Second edition. 70s.

THE marked change of attitude towards the use of parenteral preparations explains the altered title from that of the first edition ("Drugs and Galenicals: Their Quantitative Analysis"). Though probably 50 per cent. larger than the previous edition, the book is in general structure unchanged. Its approach is that of the British Pharmaceutical Codex, with alphabetically arranged monographs giving methods for the quantitative determination of a substance, its salts, and preparations of which it is a principal constituent. The book has been overhauled and contains many new monographs. A new section deals with the general application of physical methods. Separate sections are, as in the previous edition, devoted to essential oils; and oils, fats and waxes. In all there are fourteen appendices, including new ones on the determination of extraneous matter in food and drugs; and on titration in non-aqueous solvents.

Introductory Organic Chemistry

E. WERTHEIM and HAROLD JESKEY, McGraw-Hill Publishing Co., Ltd., 95 Farringdon Street, London, E.C.4. Third edition, 9 x 6 in. Pp. 476, 41s. 6d.

AIMED at students with some knowledge of inorganic but none of organic, and rather at those to whom it will be an ancillary, not a principal, subject (including entrants to pharmacy, medicine and dentistry) the book imparts a working knowledge of the subject with a minimum of technicalities. The authors, respectively an emeritus professor at the University of Arkansas and associated professor of chemistry at the Southern Methodist University of the United States, lead the reader on from the early classification of substances by Lémery (1685) according to their mineral, vegetable or animal origin by easy stages to an understanding of what the subject comprises and how variously it enters into modern civilisation. Thereafter it deals in turn with the saturated and unsaturated hydrocarbons, halogen derivatives, aliphatic alcohols, ethers, aldehydes and ketones and aliphatic acids, going on to more complicated compounds and adopting roughly the same approach for the aromatic series. There follow chapters on biochemistry (digestion, metabolism, nutrition, etc.), a 9-p. glossary of terms, list of reference books, and index.

The significance of graphic formulas is emphasised, and methods of proving the structures of molecules given. Relationships are illustrated with charts and diagrams, and there are review questions at the end of each chapter. Copolymerisation and petrochemicals are among subjects newly treated in the present edition. Pharmaceutical compounds described include amphetamine, cortisone, ACTH, dicoumarol, streptomycin, dextran, warfarin, pyribenzamine, and demerol. The work emphasises practical applications to everyday life, enlivening the text with homely illustrations.

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, MARCH 6: The most important feature of the markets during the week was the sharp rise in the price of ETHYL ALCOHOL, which jumped from 2s. 11½d. to 4s. 6½d. per proof gall. for 95 per cent. Gay Lussac 66 over proof. The distillers pointed out that molasses, from which the bulk of the alcohol is made, has gone up very considerably over the past three years or so; shipping rates, labour and distribution costs have also played an important part in the rise.

Whilst a growing proportion of industrial alcohol is being produced by synthesis involving the hydration of ethylene, its raw material (petroleum) has also risen substantially since the closing of the Suez Canal. METHYLATED SPIRITS are simultaneously advanced, the industrial by 11½d. per bulk gall. and mineralised by 10½d. Among other items affected were GLACIAL ACETIC ACID (increased by £7 per ton), ACETIC ANHYDRIDE (by £4) and technical PARALDEHYDE (by £13). Further price increases in those chemicals where alcohol plays an important part (for example ether), are expected in the near future. From the beginning of April, BORAX is being increased by £3 per ton and BORIC ACID by £3 10s. per ton. It will be recalled that in December 1956, the makers promised to hold their current prices until March 31, but now, the makers state, because of increases in costs of all sorts culminating in further serious increases in ocean freights it has been found impossible to hold their prices further.

There was little activity among CRUDE DRUGS during the week. SPICES were largely neglected with African and Jamaican GINGER lower for shipment. After a few weeks price stability, TURMERIC was quoted lower in all positions. Apart from a few prime No. 1 Tinnevely SENNA LEAVES the market at present is bare of all grades; there are also no hand-picked Alexandrian PODS on offer. Chinese MENTHOL was lower by one shilling per lb. on the spot. IPECACUANHA was unchanged with the exception of the Matto Grosso variety which was easier by 2s. 6d. per lb. at origin. STRYCHNINE is short, with prices nominal.

Price movements, where they occurred, in ESSENTIAL OILS were mainly in a downward direction. Ceylon CITRONELLA was lower by three-pence per lb. on the spot and Formosan variety by sixpence. Also lower per lb. were PALMAROSA, East Indian, by 2s. 6d., PETITGRAIN, Paraguay, by ninepence, ANISE by three-pence and SANDALWOOD by 5s. An exception was provided by PATCHOULI which was one shilling dearer at 38s. 6d. per lb.

Pharmaceutical Chemicals

ACETIC ACID. — Dearer, B.P. glacial in 10-ton lots is £104 per ton naked and technical, £91. Carboys are £8 and demi-johns, £10 per ton extra.

ACETIC ANHYDRIDE. — 10-ton lots are now quoted at £134 per ton, delivered U.K. in returnable drums; 1-ton lots, £136.

AMPHETAMINE. — One to 10-kilo lots are: BASE, from 140s. to 160s. as to quantity; SULPHATE is 110s. to 130s. and *d*-AMPHETAMINE SULPHATE, 405s. to 420s. for similar quantities.

BARIUM SULPHATE. — 250-kilo lots of B.P. (x-ray) are now 3s. 2½d. per kilo.

BENTONITE. — Offers of B.P. material are about £70 per ton as to quantity.

CALCIUM GLUCONATE. — Quantities of 3-cwt. and upwards are quoted at 3s. 9d. per lb.; 1-cwt. to 2-cwt., 3s. 10d.

HYDROQUINONE. — Quotations for 1-cwt. lots are 10s. 6d. per lb.

METOL. — In 1-cwt. lots the price is 24s. 6d. per lb.

PARALDEHYDE. — Dearer. In 40-gall. drum lots the stabilised is 166s. per cwt. and the technical, 149s.

POTASH, SULPHURATED. — Lump, B.P.C., is 2s. 4d. per lb. in 1-cwt. lots.

POTASSIUM BICARBONATE. — B.P. powder is 110s. per cwt. for 1-4 cwt. lots and 105s. per cwt. for 5-cwt. and over.

POTASSIUM NITRATE. — Pharmacopœial quality is 1s. 2d. per lb. (crystal, granular or powder) in 1-cwt. lots.

POTASSIUM PERMANGANATE. — Current rate for B.P. material for 1-cwt. lots is 1s. 10½d. per lb. Technical is 197s. 6d. per cwt., and £186 10s. per ton.

PYROGALLIC ACID. — Pure crystals are 18s. per lb. in 1-cwt. lots.

RESERPINE. — Home price is 50s. per gm.

ROCHELLE SALT. — Rates (per cwt.) for powder or granulated material are as follows:—In 5-cwt. lots or over, 200s. per cwt.; 1-cwt., 202s. 6d. SEIDLITZ POWDER ordinary strength is 160s. 6d. per cwt. in 1-cwt. lots; smalls, from 2s. to 2s. 3d. per lb. Extra strong is 172s. 6d. per cwt., and from 2s. 1d. to 2s. 4d. per lb. for small quantities. Double-strength is 180s. per cwt.; smalls, 2s. 2d. to 2s. 5d. per lb.

SACCHARIN. — In lots of 1-lb. and over B.P.C. powder is quoted at 99s. 10d. per lb., the SODIUM SALT is 80s. 10d. per lb. Prices include duty and carriage.

SALOL. — Quotations for B.P.C. are about 9s. per lb. for 1-cwt. lots.

SEMICARBAZIDE HYDROCHLORIDE. — Technical grade is 19s. per lb. for 1-cwt. lots.

SILVER SALTS. — NITRATE (1,000-oz. lots), 4s. 5½d. per oz.; PROTEIN, 36s. 3d. to 42s. 9d. per lb.; VITELLIN from 68s. 6d. to 76s. 6d. per lb. as to quantity.

SODIUM METABISULPHITE. — Granular in 1-ton lots is from £46 2s. 6d. to £50 7s. 6d. per ton according to packing.

SODIUM SULPHITE. — 1-ton lots on the spot of ANHYDROUS (48-50 per cent.) are £66 10s. per ton in 1-cwt. drums or £62 5s. in 1-cwt. bags; CRYSTALS, B.P.C., are £31 15s. per ton in 2-cwt. paper-lined bags. Commercial crystals are from £25 5s. to £27 as to packing.

SODIUM THIOSULPHATE. — Makers' price for 1-ton lots in paper-lined bags is £33 15s. per ton.

STRYCHNINE. — Short with prices nominal according to maker. ALKALOID, 7s. 5d.; HYDROCHLORIDE, 7s.; SULPHATE, 6s. 10d.

TANNIC ACID. — The B.P. levis, ex ether is quoted at 6s. 3d. per lb. for 5-cwt. lots and 6s. 6d. per lb. for 1-cwt. The B.P. powder is 6s. per lb. in 1-cwt. lots.

TARTARIC ACID. — Rates for the home trade are as follows:—10-cwt. lots, 280s. per cwt.; 5-9-cwt., 282s.; 2-4-cwt., 284s.; 1-cwt., 285s.

TEREBENE. — For 1-carboy lots, 4s. 2d. per lb. is asked. In winchesters, prices are from 4s. 3½d. to 5s. 2d. per lb.

TERPINEOL. — Prices of B.P. grade are from 3s. to 3s. 6d. per lb., as to quantity.

THYMOL. — In 7-lb. lots the price is 15s. 9d. per lb.; 28-lb., 14s. 6d.

UREA. — Manufacturers' rates for pharmaceutical grade are £63 per ton in 1-cwt. bags non-returnable. Technical quality is £44 10s. per ton.

Alcohol

DEARER. Prices of plain BRITISH SPIRIT per proof gall. are now as follows:—

Ethyl Alcohol: (95 per cent. Gay Lussac, 66 o.p.); where the number of proof gall. taken over any one year ended March 31 is 300,000 or over the price is 4s. 6½d.; 200,000 and less than 300,000, 4s. 6¾d.; 100,000 and less than 200,000, 4s. 7½d.; 50,000 and less than 100,000, 4s. 7¾d.; 10,000 and less than 50,000, 4s. 8¼d.; 2,500 and less than 10,000, 4s. 8¾d. Prices are exclusive of duty and are for tank wagon lots. In 40-gall. drums price is 1d. per proof gall. more.

The following grades are subject to a premium on the above prices as follows:—

Absolute Alcohol, 99.5 per cent., 74.5 o.p., 3d. more per proof gall., the special high strength (99.9 per cent., 75.2 o.p.), 5d. more; Doubly-Rectified Alcohol (S.V.R.), 95.8 per cent., 68 o.p. is 3d. more and P.I. Rectified Alcohol, 96.1 per cent., 68.5 o.p., 8d. more. R. R. Absolute Alcohol (re-rectified, 99.7 per cent., 75 o.p.), 15s. 8d. per bulk gall. net.

Methylated Spirits

DEARER. Methylators' rates per bulk gall. in Great Britain are now as follows:—

Industrial Methylated spirit: Strength 61 o.p., 500 gall. and over, 6s. 3d.; 100 gall. and under 500 gall., 6s. 6d.; 30 gall. and under 100 gall., 6s. 9d.; 10 gall. and under 30 gall., 7s. 2d.; 5 gall. and under 10 gall., 7s. 7d. Strength 64 o.p., 1d. per gall., 66 o.p. (B.P.), 2d.; 68 o.p., 2½d. more than the above rates with 74 o.p. at 7s. 1d., 7s. 4d., 7s. 7d., 8s. and 8s. 5d. per gall. for similar quantities. Tank wagon delivery is 1½d. per gall. off list price—minimum, 500 gall. For industrial methylated spirit of standard toilet quality prices are from 7s. 11d. (tank wagon) for 500 gall. to 9s. 4½d. for 5-10 gall (in drums) of 61 o.p.

Pyridinised industrial methylated spirit: Strength 61 o.p., 500 gall. and over, in one delivery, 6s. 4½d.; 100 gall. and under 500 gall., 6s. 9d.; 30 gall. and under 100 gall., 7s.; 10 gall. and under 30 gall., 7s. 5d.; 5 gall. and under 10 gall., 7s. 10d. Strength 64 o.p., 1d. per gall. more than foregoing rates.

Mineralised methylated spirit: Strength 61 o.p. in one delivery, 100 gall. and under 500 gall., 6s. 9½d.; 30 gall. and under 100 gall., 7s. 0½d.; 10 gall. and under 30 gall., 7s. 5½d.; 5 gall. and under 10 gall., 7s. 10½d. Strength 64 o.p., 1d. per gall. more than foregoing rates.

Methylated resin finish is 3d. per gall. over and methylated shellac finish is 1s. per gall. over the prices of pyridinised methylated spirit.

Terms:—Delivered free and carriage paid on returned empties; net cash one month.



When conventional remedies fail and the need is
to sharpen appetite and restore vigour and well-being
in below-par children, Cytacon may well succeed.

CYTACON

Trade Mark

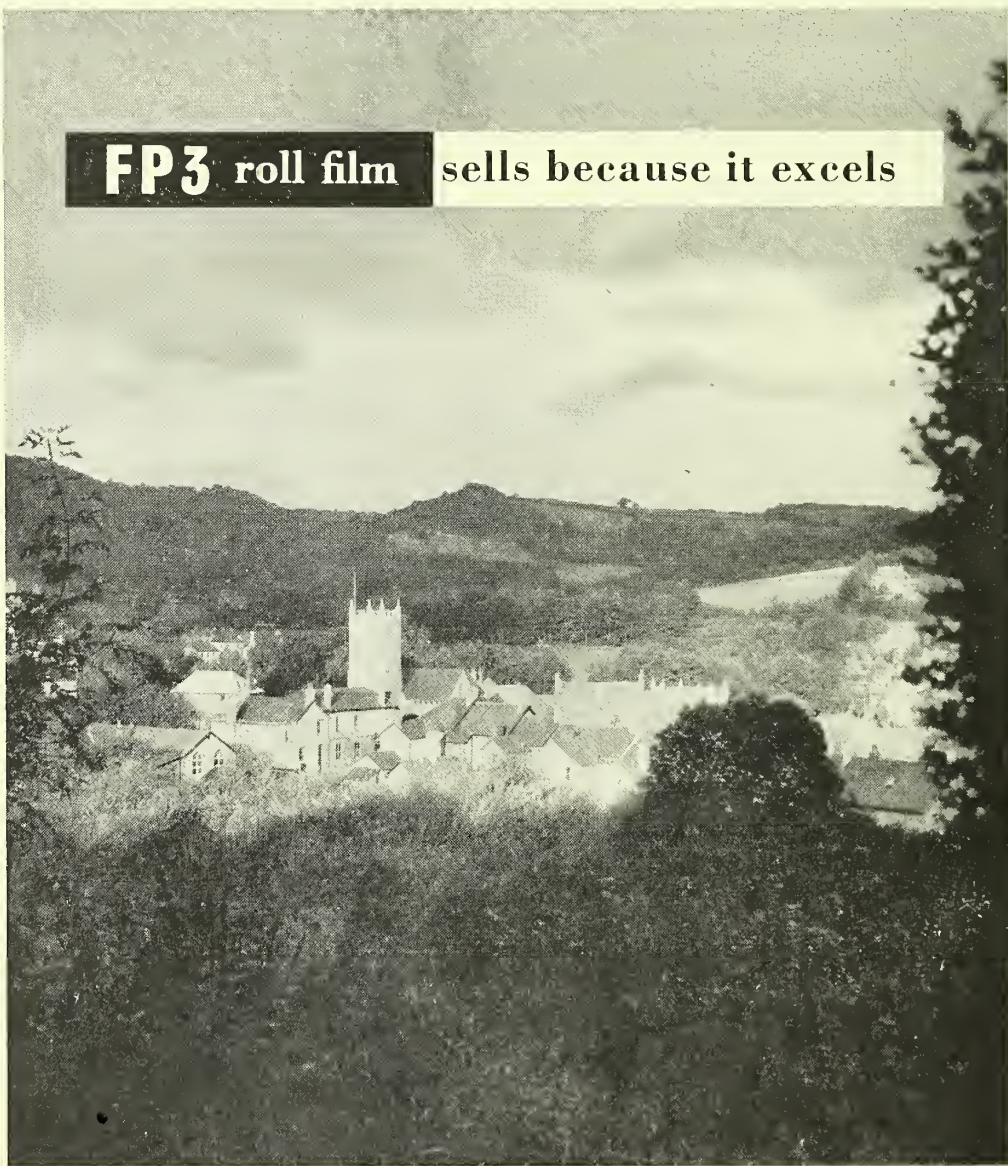
oral vitamin B₁₂

TABLETS 50 Micrograms	LIQUID (25 micrograms per fluid drachm)
Bottles of 25 face price 5/3. Trade price 47/3 per doz.	6 oz. bottles face price 6/-. Trade price 54/- per doz.
Bottles of 250 face price 41/-. Trade price 30/9 each.	80 oz. bottle face price 65/-. Trade price 48/9 each.

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No other film provides so perfect a combination of desirable qualities as Ilford FP3—ample speed for general use, balanced colour response and marvellously fine grain.

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Crude Drugs

AGAR.—*Kobé* is from 13s. to 16s. per lb., duty paid as to quality. February-March shipment, 10s. 9d., c.i.f.

ALOE.—Cape prime for shipment is 328s. per cwt., c.i.f.; and spot 350s. Curaçao for April-May shipment is quoted at 390s., c.i.f.

BUCHU.—Spot supplies are from 7s. 3d. to 7s. 6d. per lb. on the spot. New-crop for shipment from 6s. 9d. to 7s. 2d., c.i.f.

CAMPHOR.—B.P. POWDER is from 5s. 10d. per lb., duty paid. TABLETS, $\frac{1}{4}$ -oz. are 5s. 10d., c.i.f. and 6s. 1 $\frac{1}{4}$ d. in bond, c.i.f.

CARDAMOMS.—Aleppy greens on the spot are 16s. 6d. per lb., and shipment, 15s. 6d., c.i.f. No. 1 seed, 21s. 6d. per lb.

CHILLIES.—Mombasa on the spot are 210s. per cwt., and 195s., c.i.f., for shipment.

CINCHONA.—Parcels of druggists' bark are available from 1s. 3 $\frac{1}{4}$ d. to 1s. 5d. per lb., according to total alkaloid content varying from 6.51 to 7.23 per cent.

CINNAMON.—Ceylon for shipment (c.i.f.) per lb., OOOO, 9s. 9d.; OOO, 9s. 3d.; OO, 8s. 11d.; O, 8s. 10d.; firsts, 7s. 4 $\frac{1}{2}$ d.; quillings, 5s. 6d.; chips, 1s. 1 $\frac{1}{4}$ d. to 1s. 2 $\frac{1}{4}$ d.

DIGITALIS LEAF.—*Purpurea* is offered at 1s. 3d. per lb., c.i.f.

ERGOT.—Portuguese is 6s. per lb., c.i.f., for prompt shipment and 7s. 3d., spot. American, 7s. 3d., c.i.f.

GINGER.—African on the spot is 195s. per cwt. and March-April shipment, 195s., c.i.f. Jamaican No. 3 spot, 730s.; new-crop for March shipment is 560s., c.i.f. Cochín for February-March shipment, 120s. per cwt.

GUM ACACIA.—Kordofan cleaned sorts are 160s. per cwt. on the spot, afloat, 137s. 6d., c.i.f.

HONEY.—Australian light-amber is 145s. to 146s. and medium-amber, 138s. to 142s. Argentine, 145s. to 147s. 6d.; Jamaican, 147s. 6d. to 152s. 6d., all per cwt., on the spot.

IPECACUANHA.—(Per lb.). Colombian, spot, 52s. 6d.; Matto Grosso, 44s., c.i.f. Nicaraguan, spot, 58s.; no shipment offers. Costa Rican, 56s., c.i.f.

JALAP ROOT.—Mexican testing 15.3 per cent. is offered at 5s. 7d. per lb. on the spot. Brazilian, untested, is 1s. 8d. per lb., spot.

KARAYA.—No. 1 gum on the spot is now quoted at 270s. per cwt., and No. 2 at 215s.

LIQUORICE.—Natural root: Anatolian is 46s. 6d. per cwt. Russian, 48s. 6d. spot and 47s., c.i.f. Block juice: Anatolian, 200s. per cwt.; Chinese and British, 195s. on the spot. Italian stick from 310s. to 476s. per cwt. Spray-dried extract, 3s. per lb.

MACE.—Whole on the spot is 26s. per lb.

MENTHOL.—Chinese. Spot is 52s. 6d. per lb., duty paid; afloat, from 49s. to 49s. 6d., c.i.f. as to position. Brazilian, spot, 42s. 6d., duty paid; shipment, 39s. 9d., c.i.f.

MERCURY.—Price per flask (76-lb.) is £84 10s. to £84 15s.

NUTMEGS.—West Indian 80's not quoted; sound unsorted, 15s. per lb.; wormy and broken, 10s.

ORANGE PEEL.—West Indian bitter quarters are 11d. to 1s. per lb.; Spanish 1s. to 1s. 3d.

PAPAIN.—Scarce. East African grade 2 is 27s. per lb., spot; No. 1 nominally 30s. per lb.

PEPPER.—White Sarawak is 2s. 1d. per lb. on the spot, with shipment at 1s. 11d., c.i.f. Black Sarawak is offering

on the spot at 1s. 8d. per lb.; afloat, 1s. 7d., c.i.f. Black Malabar, 220s. per cwt. on the spot; prompt shipment, 182s. 6d., c.i.f.

PEPPERMINT LEAVES.—Dutch for shipment are offered from 2s. 6d. to 3s. per lb., c.i.f.

PIMENTO.—Spot is 590s. per cwt. with forward at 540s., f.o.b.

PODOPHYLLUM.—*Emodi* is 165s. per cwt., c.i.f. *Peltatum*, 4s. per lb. spot nominal, and 430s. per cwt., c.i.f., for shipment.

PYRETHRUM.—Powder, 1 per cent., is 2s. 11d. per lb.

QUASSIA.—Chips are 42s. 6d. per cwt. on the spot, and 32s. 6d., c.i.f.

QUILLAIA.—Spot offers of bark at 220s. per cwt. with shipment at 180s., c.i.f.

RAUWOLFIA.—*Serpentina* is offered from 4s. 3d. to 4s. 9d., landed terms, as to origin. *Vomitaria* is 2s. 6d., landed.

SAFFRON.—Mancha Selecta is 280s. per lb., on the spot.

SEEDS.—(Per cwt.). **ANISE.**—Spot, Cyprian, 175s.; Bulgarian, 165s., duty paid. **CARAWAY.**—Dutch in poor demand at 137s. 6d., duty paid. **CELERY.**—Indian quoted at 215s. on spot. **CORIANDER.**—Steady. Moroccan, 95s., nominal; Rumanian, 75s.; and Polish, 65s., all duty paid. Shipment, Moroccan, 62s. 6d., c.i.f.

CUMIN.—Quiet. Spot, Cyprian, 135s.; Moroccan, 135s., duty paid, and Iranian, 132s. 6d., duty paid. **DILL.**—Indian in poor demand at 65s., spot. **FENNEL.**—Indian is firmly held on spot at 120s. **FENUGREEK.**—Indian is 70s., and Moroccan, 67s. 6d., duty paid. **MUSTARD.**—English, 65s. to 80s., according to quality.

SENNA.—*Timevelly* LEAVES are very short on the spot. A few prime No. 1 are available at 1s. 5d. per lb., market otherwise bare; PODS, f.a.q., 9 $\frac{1}{2}$ d.; hand-picked, 1s. to 2s. *Alexandrian* manufacturing pods, small lots available at 1s. 7 $\frac{1}{2}$ d., hand-picked unobtainable; only low grades available.

SHELLAC.—F.O.T.N., 235s. per cwt.; F.O. No. 1, 250s.; fine orange, 280s. to 330s.

STROPHANTHUS.—*Kombé* on the spot is 6s. 6d. per lb. for the 100 per cent.; *Gratus* is 11s. 3d., in bond.

STYRAX.—Spot quotations are 6s. 6d. per lb.

TURMERIC.—Madras finger on the spot is 80s. per cwt. with new-crop, April-May shipment at 62s. 6d., c.i.f.

WAXES.—(Per cwt.). **BEES'.**—Dar-es-Salaam, shipment, 570s., c.i.f., spot, 610s.; Sudanese, 615s. duty paid and 530s., c.i.f. Abyssinian, spot, 580s., duty paid; March-April, 530s., c.i.f. **CANDELLILA.**—Spot is 550s. **CARNAUBA.**—Fatty grey, spot, 530s. per cwt.; for shipment, 500s., c.i.f. Prime yellow, spot, 1,200s.; shipment, 1,060s., c.i.f.

Essential and Expressed Oils

ANISE.—Chinese, 13s. 1 $\frac{1}{4}$ d. per lb., spot; shipment, 12s. 10 $\frac{1}{4}$ d., c.i.f.

BERGAMOT.—Spot supplies are from 75s. per lb. and shipment from 73s. to 74s. 6d. per lb., c.i.f.

BIRCH TAR.—Rectified is about 14s. per lb. in 1-cwt. lots.

BOIS DE ROSE.—Brazilian is 26s. 6d. per lb. on the spot and 25s. 6d., c.i.f.

CADE.—Spanish is 3s. 9d. per lb. for drum lots.

CAJUPUT.—Spot supplies are from 10s. 6d. per lb.

CALAMUS.—Spot quotations are 62s. 6d. per lb.

CAMPHOR, WHITE.—Chinese is 2s. 4 $\frac{1}{2}$ d. per lb., duty paid.

CANANGA.—Spot is from 52s. to 56s. per lb.

CARAWAY.—English-distilled is offered at 55s. and imported from 28s. to 29s. per lb., duty paid.

CARDAMOM.—Price per lb. is from 350s. for English-distilled and from 267s. 6d. to 297s. 6d. for imported.

CITRONELLA.—Ceylon, spot, 6s. 1 $\frac{1}{4}$ d.; afloat, 6s. per lb.; March-April shipment, 5s. 6d., c.i.f. Formosan afloat is 7s. 9d., c.i.f.; shipment, 7s. 3d., c.i.f.; spot, 9s., duty paid; Java sellers at 8s. 1 $\frac{1}{4}$ d., c.i.f.

CLOVE.—Madagascar leaf is 8s. 9d. per lb., duty paid and 7s. 6d., c.i.f. for shipment. Rectified B.P., 17s. 6d.; 87-88 per cent., 11s. 6d. Distilled bud oil, English, from 28s. 9d. to 35s. as to quantity.

COD-LIVER.—B.P. is 11s. 6d. per gall. in charged returnable drums. Veterinary is from 9s. 6d. per gall.

CORIANDER.—B.P. oil is quoted from 77s. 6d. to 85s. per lb.

CUBE.—Spot supplies are offered at 45s. per lb.

CUMIN.—Quotations for English-distilled oil are about 102s. per lb. and imported 57s. 6d.

DILL.—B.P. English-distilled oil prices are nominal; imported from 36s. per lb.

EUCALYPTUS.—70 to 75 per cent. eucalyptol on the spot is 4s. 9d. per lb.; 80 to 85 per cent, 5s. 6d.

FENNEL.—Spanish sweet on the spot is quoted at 12s. per lb. with Russian at 22s. 6d.

GRAPEFRUIT.—Floridan is 15s. per

LEMON.—Prices of B.P. oil (4 per cent. citral) vary greatly on the spot according to quality and range between 25s. and 35s. per lb. Californian, 28s. 6d. to 36s. 4d., c.i.f., as to quality, subject to licence.

LEMONGRASS.—Spot is 9s. 9d. per lb., and shipment, 9s. 3d., c.i.f.

LIME.—West Indian distilled is 45s. per lb. on the spot.

PALMAROSA.—East Indian, 47s. 6d., spot; 41s. 6d., c.i.f.; Formosan, 40s.

PATCHOULI.—Penang is 38s. 6d., duty paid, and 34s. 6d., c.i.f.

PEPPERMINT.—*Arvensis*: Chinese is 30s. 6d. per lb. on the spot and 28s. 6d., c.i.f. Brazilian, 20s., spot, and 19s., c.i.f. Formosan, 20s., c.i.f.; spot, 20s. 6d. Italian "Mitcham"-type oil on the spot is from 52s. 6d. to 65s.; American, 35s. to 42s. 6d. as to origin.

PETITGRAIN.—Paraguay, spot, 23s. 9d. to 25s. 6d. per lb., as to brand.

ROSEMARY.—Spanish oil is firm on the spot at 7s. 9d. to 8s. per lb., duty paid.

SANDALWOOD.—Mysore is 97s. 6d. per lb. on the spot and East Indian, 96s. 6d. per lb.

UNITED STATES REPORT

NEW YORK, MARCH 5: The price of SALICYLIC ACID was advanced two cents a lb. to make the crystals 50 cents; ASPIRIN at 58 cents was also up 2 cents; powdered SODIUM SALICYLATE at 78 cents was up four cents; granular SALOL, N.F. grade, at \$1.20 per lb. was up five cents; and METHYL SALICYLATE, 62 cents, up three cents. A major petroleum refiner increased TOLUOL and XYLOL 1 $\frac{1}{2}$ cents per gall. PHENACETIN was marked up 5 cents to \$1.22 a lb., while SALICYLAMIDE was lowered 10 cents to \$1.15. Firmer among CRUDE DRUGS were PERU BALSAM at \$1.25 a lb. (up five cents); and ELDER FLOWERS at 50 cents (up 15 cents). ESSENTIAL OILS were quiet and unchanged in price.

IRAN IMPORTS

Proprietary medicine restrictions

THE regulations to be imposed by Iran on imports of medicines (*C. & D.*, February 2, p. 137), will not affect pharmaceutical chemicals in bulk, veterinary products and medical or surgical plasters but it is not yet clear whether unbranded drugs in tablet or ampoule form, etc., are affected or not.

The list of foreign firms permitted to import pharmaceuticals into Iran is in two parts. Class one firms are those which may import the whole of their range of products, whilst class two may only import a limited range. The following table shows the total number of firms in each class and the number of firms from each country in each of the classes:—

COUNTRY	CLASS ONE	CLASS TWO
United Kingdom ..	13	7
United States ..	10	9
Germany ..	6	4
Switzerland ..	5	5
France ..	4	32
Holland ..	1	—
India ..	—	1
Italy ..	1	4
Belgium ..	—	4
Total ..	40	66

In the course of prolonged negotiations on the question of the control of imports, the representatives of the Iranian Minister of Health and of the Minister of Commerce have urged representatives of foreign pharmaceutical manufacturers to impress upon their principals to set up factories for production in Iran and it is reported that three American firms (unnamed) have already submitted plans for so doing. They have stipulated, however, that they would expect that the raw materials they import into Iran would bear only the same per cent. of *ad valorem* duty as manufactured goods, i.e., ten per cent., instead of the 30 per cent. now levied.

Observers in Teheran claim that there are amongst foreign manufacturers importing into Iran two opposing points of view on the question of how manufacture might be undertaken locally. One group favours the setting up of a single large laboratory and plant to manufacture the products of the whole group and to market under the distinctive packages of each firm. The other group would favour the manufacture in Iran only of pharmaceuticals other than specialities which would still be manufactured in the home country of the firm importing.

The exports from the United Kingdom to Iran of drugs, medicines and medicinal products were valued at £174,582 in 1955 and £319,387 in 1956.

WORLD TRADE

First Israeli Bromide Sales.—Some \$400,000 worth of locally-produced bromine was sold by Israel to Great Britain and the Continent during the first two weeks of February. Sales were made to Holland, Italy and West Germany in addition to the United King-

dom and the major part of Israel's output for 1957 has been disposed of. The Dead Sea bromide works, at Sodom on the southern end of the Dead Sea, went into production at 50 per cent. of capacity a short while ago. Full capacity—2,000 tons of bromine and 1,800 tons of ethylene dibromide—is scheduled for April.

Japanese Role in Egyptian Purchases.—The Japanese Government has been swamped with applications for exports of foreign goods to Egypt via the Japanese switch account, the Ministry of Trade said on March 1. The Ministry authorised the switch trade late in 1956 to re-

duce the imbalance in Japan's trade account with Egypt. Competition among Japanese firms to handle the trade was keen, and in some cases led to cuts in the switch commission to below the officially authorised 5 per cent. Many applications were pending, the Ministry added, and it was becoming increasingly difficult to continue the trade as the surplus in Japan's trade account with Egypt was likely to be exhausted in the near future.

Italian Mercury Exports.—In 1956 Italy exported 2,586 metric tons of mercury compared with 963 tons in 1955.

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," February 20

For vaccine for use in the immunisation of sheep against pulpy kidney and braxy (5)

1911 WESTEVAN, 756,411, by West Cumberland Farmers' Trading Society, Ltd., Whitehaven, Cumberland.

For pharmaceutical preparations for use in the treatment of diabetes (5)

PELORIL, 756,978, by the Wellcome Foundation, Ltd., London, N.W.1.

For pharmaceutical preparations and substances in the form of tablets (5)

BENTABS, 759,299, by C. L. Bencard, Ltd., London, N.W.10.

For medical bandages, cotton wool prepared for sanitary and pharmaceutical purposes, and sanitary towels (5)

MIMO, 759,346, by Molnlycke Vafveriaktiebolag, Gothenburg, Sweden.

For pharmaceutical and veterinary preparations and substances (5)

SEMINETTEN, 759,395, by Byk-Gulden Lomberg, Chemische Fabrik, G.m.b.H., Konstanz, Germany.

For preparations for killing weeds (5)

SHACO, 759,684, by Shamrock Chemical Industries, Ltd., Kilkoolle, co. Wicklow, Eire.

For all goods (5)

RACAPAN, RACABOLE, 759,687-88, by Racasan, Ltd., Ellesmere Port, Ches. MESPRON, 759,763, by Mesco Laboratories, Ltd., London, E.C.2.

For bandages, materials prepared for bandaging, medical and surgical plasters, and surgical dressings (5)

COTFIL, PARANET, 759,795-96, by Vernon & Co., Ltd., Preston, Lancs.

For pharmaceutical and veterinary preparations containing iron (5)

FERROSUL, 760,078, by the Crookes Laboratories, Ltd., London, N.W.10.

For pharmaceutical preparations and substances (5)

STRECELYN, 760,165, by Allen & Hanburys, Ltd., London, E.2. NOBEPYROL, 760,096, by Akticbolaget Bofors, Bofors, Sweden.

For photographic and optical apparatus (9)

RIN-TIN-TIN, 758,381, by Screen Gems, Inc., New York, U.S.A.

For surgical, medical and veterinary instruments and apparatus and parts (10)

SEMINETTEN, 759,396, by Byk Gulden Lomberg, Chemische Fabrik, G.m.b.H., Konstanz, Germany.

For paper handkerchiefs, paper tissues and toilet paper (all non-medicated) (16)

OZEITE, 759,716, by Ellern Paper Co., Ltd., Ashford, Middlesex.

For holders for bottles, soap, sponges, toilet paper; tooth-brushes and tumblers (20)

MARINALIUM, 759,278, by N. F. Ramsey & Co., Ltd., Newcastle-on-Tyne, 1.

From the "Trade Marks Journal," February 27

For preparations for preventing condensation of moisture on glass (1)

CRYSTELLE, B759,274, by Opticrafts, Ltd., Surbiton Road, Surrey.

For all goods (1)

MARCHON, B756,764, by Marchon Products, Ltd., London, W.1. EXOLIT, 760,899, by Chemische Werke Albert, Wiesbaden-Biebrich, Germany.

For chemical products used in industry (1)

Device with the word GRANGE, B758,892, by Grange Chemicals, Ltd., London, W.1.

For prepared wax in paste, powder or liquid form for polishing floors and interior woodwork (3)

JOHNSON'S STRIDE, 750,203, by S. C. Johnson & Son, Inc., Racine, Wisconsin, U.S.A.

For perfumes, cosmetics, non-medicated toilet preparations, shaving cream, shaving soap, perfumed toilet soap and shampoos (3)

Device with the words KINGS MEN, 753,957, by Empro Intangibles, Inc., Chicago, U.S.A.

For all goods (3)

MARCHON, B756,766 by Marchon Products, Ltd., London, W.1.

For face powder, talcum powder, and lotions and creams for the skin, all being non-medicated toilet preparations; and cosmetic preparations, perfumes, hair lotions and dentifrices, none being sapro-accous preparations (3)

BLUE ANGEL, 755,649, by Chesebrough-Pond's, Ltd., Greenford, Middlesex.

For non-medicated toilet lotions (3)

VELVELAN, 756,779, by Harry Thomas Franks, St. Marychurch, Torquay.

For cleaning preparations (3)

Device with the words 30 SECOND, 757,445, by Secto Co., Ltd., Blackburn, Lancs.

For rust-removing preparations (3)

THORNOX, 759,536, by Thornley & Knight, Ltd., Birmingham, 9.

For non-medicated toilet preparations, cosmetic preparations, brilliantine, hair lotions, toilet shampoos, dentifrices, soaps, perfumes, essential oils and toilet articles, etc. (3)

FISHING, 760,244, by Lenthic, Ltd., London, W.1. TENDER TRAP, 760,434, by Henry C. Miner, Ltd., Surbiton, Surrey.

For ointments and salves, all being medicated preparations for human use (5)

Device with the wording B. E. BEARD, 741,527, by T. H. Prichard & Son, Ltd., Abertillery, Mon.

For infants' and invalids' foods (5)

FAREX, 744,030, by Glaxo Laboratories, Ltd., Greenford, Middlesex.

For antibiotic preparations for pharmaceutical and veterinary use (5)

PFIZERPEN, B745,668, by Chas. Pfizer & Co., Inc., New York, U.S.A.

For pharmaceutical preparation in pill, tablet and powder form, or in liquid form for intravenous injection, all for use in the treatment of tension, as muscular relaxants and as anticonvulsants (5)

MILTOWN, 749,479, by Carter Products, Inc., New York, U.S.A.

For all goods (5)

MARCHON, B756,768, by Marchon Products, Ltd., London, W.1. INSIL, 759,453, by Hough, Hoesason & Co., Ltd., Manchester, 19. OSTREOCIN, 759,987, by Glaxo Laboratories, Ltd., Greenford, Middlesex.

PRINT AND PUBLICITY

COMMERCIAL TELEVISION

PROGRAMME details are given to enable chemists to put in linking-up displays if they wish. Notice given is as far in advance of the programme date as can be guaranteed by the broadcasting companies.

Sunday, March 17

LONDON: Meggezones cough syrup. Gilbey's tonic wine. Marigold house gloves. Loxene. Pepsodent. Dentiline. Anestan.

MIDLAND: Milton. Loxene. Mistol. Anne French products. Moore's teething jelly. Opas tablets. Penetrol inhalant. Strix tablets.

NORTH: Penetrol inhalant. Moore's teething jelly. Strix tablets. Pepsodent.

ALL: Max Factor products. Gibbs' S.R. tooth-paste. Pacquins. Palmolive soap.

Monday, March 18

LONDON: Silvikrin shampoo. Beecham's powders. Alka-Seltzer. Plenamins. Gibbs' S.R. Sanatogen tonic wine. Angiers Supavite. Anadin. Anne French products. Pure Silvikrin. Pepsodent. Kleenex.

MIDLAND: Milton. Gilbey's tonic wine. Sanatogen tonic wine. Plenamins. Tru-gel. Moore's teething jelly.

NORTH: Silvikrin shampoo. Silvikrin hair dressing. Beecham's pills. Pepsodent. Alka-Seltzer. Brylcreem. Amami wave set.

ALL: Knight's Castile.

Tuesday, March 19

LONDON: Beecham's powders. Phensic. Gilbey's tonic wine. Elastoplast. Nivea. Vaseline hair cream. Mistol. Christy's lanoline face pack. Pure Silvikrin. Innox barrier cream. Kleenex. Brylcreem.

MIDLAND: Gibbs' S.R. Max Factor products.

NORTH: Silvikrin shampoo. Beecham's pills. powders. Sanatogen tonic wine. Zoflora. Loxene. Tru-gel. Brylcreem.

ALL: Knight's Castile.

Wednesday, March 20

LONDON: Veno's cough mixture. Phensic. Loxene. Gibbs' S.R. Vaseline hair cream. Zubes pastilles. Pure Silvikrin. Christy's lanoline face pack. Brand's essence. Brylcreem.

MIDLAND: Elastoplast. Nivea. Pepsodent. Anadin.

NORTH: Silvikrin shampoo. Beecham's pills, powders. Veno's cough mixture. Phensic. Plenamins. Anadin. Loxene. Alka-Seltzer. Brylcreem.

Thursday, March 21

LONDON: Beecham's powders. Veno's cough mixture. Phensic. Cofene tablets. Nervone. Pepsodent. Tangee lipstick. Brylcreem.

MIDLAND: Gibbs' S.R. Anne French products. Loxene. Nervone. Tru-gel.

NORTH: Silvikrin shampoo. Beecham's pills, powders. Veno's cough mixture. Loxene. Gibbs' S.R. tooth-paste. Anadin. Zoflora. Brylcreem. Amami wave set.

Friday, March 22

LONDON: Silvikrin shampoo. Beecham's powders. Veno's cough mixture. Phensic. Pure Silvikrin. Snowfire wave set. Brylcreem. Moore's teething jelly. D.P. hand cleanser.

MIDLAND: Anadin. Tangee lipstick.

NORTH: Silvikrin shampoo. Beecham's pills, powders. Veno's cough mixture. Phensic. Gilbey's tonic wine. Gibbs' S.R. Tangee lipstick. Brylcreem. Amami wave set.

Saturday, March 23

LONDON: Alka-Seltzer. Meggezones cough syrup. Vaseline hair cream. Marigold house gloves. Anne French products. Nervone. Christy's face pack. Moorland indigestion tablets. Silvikrin shampoo. Kleenex. Opas tablets. Anadin. Max Factor products. Penetrol inhalant.

MIDLAND: Gilbey's tonic wine. Angiers Supavite. Strix. Flush. Penetrol inhalant. Anestan.

NORTH: Gilbey's tonic wine. Angiers Supavite. Anne French products. Penetrol inhalant. Flush.

Vykrin vitamin mineral capsules. Alka-Seltzer. Anestan. Knight's Castile.

ALL: Wilkinson's sword-edge razor blades. Vitaglucose tablets. Anadin.

Other products which are being currently advertised (but for which no day of showing has been notified) include: Care hand cream. Cussons' cold cream soap. Amm-i-dent. Cow and Gate cereal food. Thompson & Capper, Ltd., products. Astral cream soap. Gauntlet barrier cream. Barteaux sun glasses. Cephos.

DISPLAY

CUXSON, GERRARD & Co., LTD., Oldbury, Birmingham: Dentosine, Tussola cough syrup. Crowners.

THE DISTILLERS Co. (BIOCHEMICALS), LTD., Speke, Liverpool, 19: D.C.L. yeast tablets. Showcards 11 x 8 in.

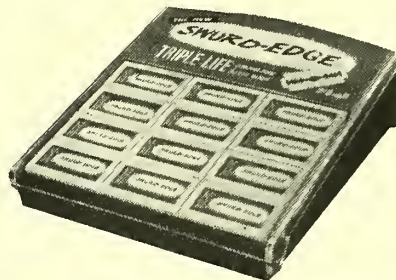
PRICE LISTS

EVANS MEDICAL SUPPLIES, LTD., Speke, Liverpool, 19. List A, 1957.

GEIGY PHARMACEUTICAL Co., LTD., Wythenshawe, Manchester 23: February 1957.

ORGANON LABORATORIES, LTD., Lancaster Place, London, W.C.2: February 1957.

POLAK & SCHWARZ (ENGLAND), LTD., 50 Great Cambridge Road, Enfield, Middlesex. January to March, 1957.



DISPLAY UNIT: Counter display unit produced by Wilkinson Sword, Ltd., 53a Pall Mall, London, S.W.1, size 6 x 7 in., contains 2 doz. "dispensers" of the Sword-edge triple-life stainless double-edged razor blades. The unit is free but supplied only with the 2 doz. dispensers.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, March 11

CHEMICAL SOCIETY AND OXFORD UNIVERSITY ALEMBIC CLUB, physical chemistry laboratory, the University, Oxford, at 8.15 p.m. Dr. F. L. Rose on "Some Topics in Chemotherapeutics."

SOUTHAMPTON BRANCH, PHARMACEUTICAL SOCIETY, Polygon hotel, at 7.30 p.m. Dr. J. W. Fairbairn (department of pharmacognosy, London University) on "Impressions of American Pharmacy."

WATFORD AND ST. ALBANS BRANCH, PHARMACEUTICAL SOCIETY, Adeyfield Hall, Hemel Hempstead, at 8 p.m. Annual meeting.

WIMBLEDON PHARMACISTS' ASSOCIATION, town hall, Wimbledon, at 7.45 p.m. Mr. J. Charleton (superintendent, Central Checking Bureau) on "The Basis and Problems of N.H.S. Pricing."

Tuesday, March 12

BOURNEMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Grand hotel, at 7.30 p.m. Mr. A. L. Bacharach on "Matters of Taste."

EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, Danecourt, Church Hill, Walthamstow, London, E.17, at 8 p.m. Consideration of motions for Branch Representatives' meeting.

GLASGOW PHARMACY CLUB, James Craig's tea-room, 453 Sauchiehall Street, Glasgow, at 7.30 p.m. Whist drive.

LEICESTER COLLEGE OF TECHNOLOGY AND COMMERCE PHARMACY STUDENTS' ASSOCIATION, room 104, Leicester College of Technology and Commerce, at 7 p.m. Dr. F. L. Rose on "The Background to a New Drug."

LONDON SECTION, ROYAL INSTITUTE OF CHEMISTRY, Hatfield Technical College, Roe Green, at 7.30 p.m. Mr. K. Shaw on "Soil Chemistry and Plant Nutrition."

NORTH METROPOLITAN BRANCH, NATIONAL PHARMACEUTICAL UNION, Beale's restaurant, Holloway Road, London, N.7, at 8 p.m. Mr. G. E. Mann (immediate past-president, Chemists Federation) on "The Manufacturers' Point of View and C.F."

NORTH STAFFORDSHIRE BRANCH, PHARMACEUTICAL SOCIETY, North Stafford hotel, Stoke-on-Trent, at 7.30 p.m. Address by Dr. G. E. Trease (chairman of the Society's History of Pharmacy Committee).

SOUTH-EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, New Cross inn, 323 New Cross Road, London, S.E.14, at 8 p.m. Film show by Mr. H. Cormacey; consideration of motions for Branch Representatives' meeting.

Wednesday, March 13

CROYDON PHARMACISTS' ASSOCIATION and BRANCH,

Greyhound hotel, High Street, Croydon, at 6.45 p.m. Annual supper and social evening.

EXETER BRANCH, PHARMACEUTICAL SOCIETY, Imperial hotel, Exeter, at 7 p.m. Annual dinner and dance.

GLASGOW AND SOUTH-WESTERN SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, Craig's restaurant, St. Vincent Street, Glasgow, at 7.45 p.m. Dr. K. R. Capper (editor, Society's scientific publications) on "Formulation for the British Pharmaceutical Codex and the National Formulary."

HARROW AND DISTRICT BRANCH, PHARMACEUTICAL SOCIETY, Fabien restaurant, Amersham, at 8 p.m. Dr. G. Discombe (pathologist, Central Middlesex Hospital) on "Substitutes for Blood in Transfusion."

LIVERPOOL CHEMISTS' ASSOCIATION, Adelphi hotel, at 6 p.m. Annual dinner and dance.

THAMES VALLEY PHARMACISTS' ASSOCIATION, Annual dinner and dance cancelled because of petrol rationing.

Thursday, March 14

BURNLEY BRANCH, PHARMACEUTICAL SOCIETY, Cross Keys hotel, at 7.45 p.m. Dr. J. J. F. Merry (Merck Sharp & Dohme, Ltd.) on "Therapy with Cortisone."

CHELTENHAM BRANCH, PHARMACEUTICAL SOCIETY, Queen's hotel, at 7.15 p.m. Dinner and dance.

ISLE OF WIGHT BRANCH, PHARMACEUTICAL SOCIETY, God's Providence House, Newport, at 7.30 p.m. Consideration of motions for Branch Representatives' meeting.

NORWICH BRANCH, PHARMACEUTICAL SOCIETY, Del ball-room, Tombland, Norwich. Annual social and dance.

SCARBOROUGH BRANCH, PHARMACEUTICAL SOCIETY, Palm Court hotel, at 7.45 p.m. Mr. Mitchell Jackson (a member of the Society's Council) on "Current Pharmaceutical Problems."

SCOTTISH DEPARTMENT, PHARMACEUTICAL SOCIETY, 36 York Place, Edinburgh, at 7.30 p.m. Mr. D. H. O. Gemmell (Royal College of Science and Technology, Glasgow) on "Radioactive Isotopes."

SOMERSET BRANCHES, PHARMACEUTICAL SOCIETY and NATIONAL PHARMACEUTICAL UNION, County hotel, Taunton. At 5 p.m., tea; at 6.30 p.m., Mr. J. Wright (deputy secretary, N.P.U.) on "N.H.S. Remuneration—Future Prospects."

Friday, March 15

HULL CHEMISTS' ASSOCIATION and BRANCH, Imperial hotel, at 8 p.m. Mr. A. G. Fishburn (Imperial Chemical Industries, Ltd., pharmaceuticals division) on "Radioactive Drugs and Processes."

C. & D. WEEKLY LIST OF PRICES

A=Advanced; I.R.P.=Inclusive Retail Price; *Tax 30 per cent.; †Tax 90 per cent.

ALBION SOAP CO., LTD. (corrected note)			
Doz.	I.R.P.		
Simple soap*	7 5	1 1 A	
CUXSON, GERRARD & CO., LTD. (from March 4)			
Carnation corn caps*	8 3	1 3 A	
callous caps*	8 3	1 3 A	
Sanoplast rigid plaster first aid dressings:—	Each		
2 x 2½ in.	50	6 0	8 9 A
1 x 2½ in.	100	6 0	8 9 A
assorted sizes	100	6 7	9 9 A
Sanoid rigid zinc oxide plaster:—	Doz		
5-yd. spools	½ in.	11 10	1 4½ A
	1 in.	17 11	2 1 A
	1½ in.	25 9	3 0 A
	2 in.	31 2	3 7½ A
	2½ in.	39 5	4 7 A
	3 in.	44 4	5 2 A
	4 in.	58 0	6 9 A
10-yd. spools	½ in.	17 2	2 0 A
	1 in.	19 8	2 3½ A
	1½ in.	30 1	3 6 A
	2 in.	45 3	5 3 A
	2½ in.	56 0	6 6½ A
	3 in.	69 5	8 1 A
	4 in.	78 4	9 1½ A
	4 in.	97 11	11 4½ A
3½ yds. x ½ in.	7 11	11 A	
3½ yds. x 1 in.	12 10	1 6 A	
1 yd. x 1 in.	5 0	7 A	
1 yd. x 7 in.	36 6	4 3 A	
5 yds. x 7 in.	120 0	14 0 A	
5 yds. x 12 in.	172 0	20 0 A	
10 yds. x 6 in.	172 0	20 0 A	

KLEINERT RUBBER CO.			
Airlite baby pants,			
small-large	16 6	1 11 R	
extra large	18 0	2 3 R	

FIBRENYL, LTD.			
Skylon polythene feeding bottles:—			
narrow neck		2 6 R	
boat-shape		2 8 R	
wide neck		3 4 R	
wide neck with cap		4 4 R	

P.A.T.A. LIST			
(Alterations notified this week by the Proprietary Articles Trade Association.)			

LIFE AND BEAUTY, LTD. (from March 1)			
Gayelord Hauser:—			
dried skim-milk powder	38 6 R	4 10	
brewer's yeast powder	52 0 R	6 6	
tablets 250	60 0	7 6 A	
100	28 0	3 6 A	
wheat germ	36 0 R	4 6	
molasses	20 0 R	2 6	
	36 0 R	4 6	
calcium with vitamin-D tablets	22 0 R	2 9	
vitamin-B compound tablets	28 0 R	3 6	
vitamin-C tablets	36 0 R	4 6	
vitamin-C and D capsules	32 0 R	4 0	
wheat-germ oil capsules	48 0 R	6 0	
vitamin-E capsules	48 0 R	6 0	
vitamins	64 0 R	8 0	
Vegisalt	16 0 R	2 0	

P.A.T.A. Year-book corrections:—			
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THE CROOKES LABORATORIES, LTD.			
Halibut-oil capsules	30 22 6	2 6	
	60 40 6	4 6	
	120 76 6	8 6	
	500 270 0	30 0	

(Packs of 25 and 100 replaced by packs of 30 and 120.)

NEW PRODUCTS AND PACKS THE ARMOUR LABORATORIES

Nitensar tablets			
50	4 8	7 0	
100	7 8	11 6	
1,000	50 8	76 0	

J. & E. ATKINSON, LTD.			
Freesia perfume†		11 6	
soap* tablet		2 0	
Lilac perfume†		11 6	
soap* tablet		2 0	

BOOTS PURE DRUG CO., LTD.			
Delta-Stab tablets			
5 mgm.	1,000 1,160 0	1,546 8	

COOPER, McDOUGALL & ROBERTSON, LTD.			
Timb-aire aerosol		5 6	
		10 6	

B. N. FURMAN (PRODUCTIONS), LTD.			
Pride scalar milk†		3 0	

MERCK SHARP & DOHME, LTD.			
Cathopen tablets	16 26 8	40 0	
	100 160 0	240 0	

Deltacortone tablets			
1 mgm.	100 30 0		
500	145 0		
Codelcortone tablets			
1 mgm.	100 30 0		
500	145 0		
Inversine tablets			
10 mgm.	1,000 390 0	585 0	

ROCHE PRODUCTS, LTD.			
Romilar Epectorans*			

SILMOR DISTRIBUTING CO.			
Andre Philippe eau de toilette†:—			
Doz.			
Sheer-pak gift container	40 0	7 11	
single gift box	35 6	7 3	
double gift box	62 0	13 6	
treble gift box	90 0	19 6	
four in gift box	114 0	26 0	
five in gift box	155 0	32 6	

PHOTOGRAPHIC DEPARTMENT

Developing and Printing Prices, 1957

Photographic Dealers' Association recommended scale in operation from April 1, 1957

DEVELOPING			
Roll Film (other than miniature)	Per spool		
Ordinary	1 3	
Fine-grain	1 6	
Paper-backed miniatures	1 3	
Total failures, 50 per cent. charge.			
Miniature spools (24 x 36 mm. negatives and smaller)			
One to eighteen exposures	2 0	
Nineteen to thirty-six exposures	2 6	
Total failures, 50 per cent. charge.			
Plates and Sheet Film (minimum charge sixpence)			
Up to 2½ x 3½ in.	each 3	
4 x 5 in.	each 4	

CONTACT PRINTING			
All sizes up to and including 3½ x 4½ in.	each 4		
Septa toning, 50 per cent. extra.			
Strip-prints (on paper) from 35-mm. films			

Strip-prints (on paper) from 35-mm. films			
	Per strip		
One to eighteen exposures	2 6	
Nineteen to thirty-six exposures	3 6	
If any deviation from sequence, 50 per cent. extra.			

EN-PRINTS			
From substantially the whole of the standard negative only, on single weight paper, to one of the following sizes according to proportions of negative: 3½ x 3½ in., 3½ x 4½ in., 3½ x 5 in.			
Black and white	each 6	
Septa toned	each 9	
En-prints from square negatives will be 3½ x 3½ in. (approx.).			
"Foursquare" enlargements (from square negatives only)			

Whole of negative only on 4½ x 4½ in. paper.			
Black and white	each 9	
Septa	each 1 1½	

ENLARGEMENTS			
First-quality from any selected portion of the negative, including shading, vignetting and spotting if required. Dimensions quoted are standard sizes of enlarging papers, and subject to trimming. The varying proportion of length to width in negative often necessitates trimming the finished picture to correspond.			
Paper size	B. & W., Septa Mounting		
Up to 3½ x 5½ in. (postcard)	9 1 1½ 9		

C. & D. RETAIL AND DISPENSING PRICE LIST

The drug index for February was 203

Cost		Item	4 oz.		1 oz.		1 dr.	
d.	per		s.	d.	s.	d.	s.	d.
69	500 gm.	Adeps benzoïnatus	2 3		0 8		0 2	
26	500 gm.	Ammon. sulphas	0 11		0 3		—	
79	100 gm.	Caffeina citras	—		3 3		0 6	
56	500 gm.	Crem. zinc. ox. et ichtham.	1 11		0 7		0 1	
20	dr.	Oculent. hyoscin. fort., N.F. '52...	per	tube	2 6			
27	dr.	Oculent. physostigminæ	per	tube	3 4½			
252	500 mils	Ol. amygdalæ Ang.	8 2		2 5		0 4	
65	25 gm.	Ol. anethi Ang.	—		—		1 9	
87	500 mils	Ol. cadinum	—		0 10		0 2	
69	100 mils	Ol. graminis citrati	—		2 10		0 5	
62	pint	Ol. rapia	1 10		0 6		0 1	
87	500 gm.	Pigment. iodi co.	2 6		0 9		0 2	
81	250 gm.	Pulv. lobelia co., B.P.C.	5 3		1 6		0 3	
84	500 gm.	Pulv. stramon. co., B.P.C.	2 9		0 9		0 2	
72	500 mils	Syr. rhamni, B.P.C. '34	2 4		0 8		0 2	

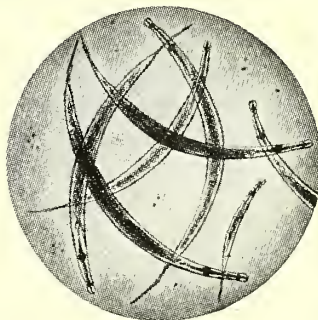
The bold letters and figures at left of dispensing price relate to the classification of poisons in THE CHEMIST AND DRUGGIST Poisons Guide.



Children like it... worms don't

One week's treatment with 'Antepar' Elixir is usually sufficient to eradicate *threadworms*. A single dose clears *roundworms* from the gut. Effective without fasting, purging or supporting measures, 'Antepar' acts by paralysing the worms—they are then expelled by normal peristalsis.

'Antepar', the original elixir of piperazine, is well tolerated by patients of all ages. Its pleasant taste is popular with children. Containing piperazine citrate equivalent to 500 mgm. of piperazine in each fluid drachm, 'Antepar' is supplied in bottles of 4 fl. oz. and 20 fl. oz.



'ANTEPAR' ELIXIR



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Associated Houses:

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An effective treatment for HEAD COLDS & CATARRH



A product based on modern technique, "Three Flasks" Nasal Drops can be recommended with confidence for reducing the discomforts of colds and catarrh.

Ask for a sample for personal trial

The attractive display outer holds one dozen bottles

Retailing at 1/6d each

Cost 9/- doz. plus purchase tax 30%

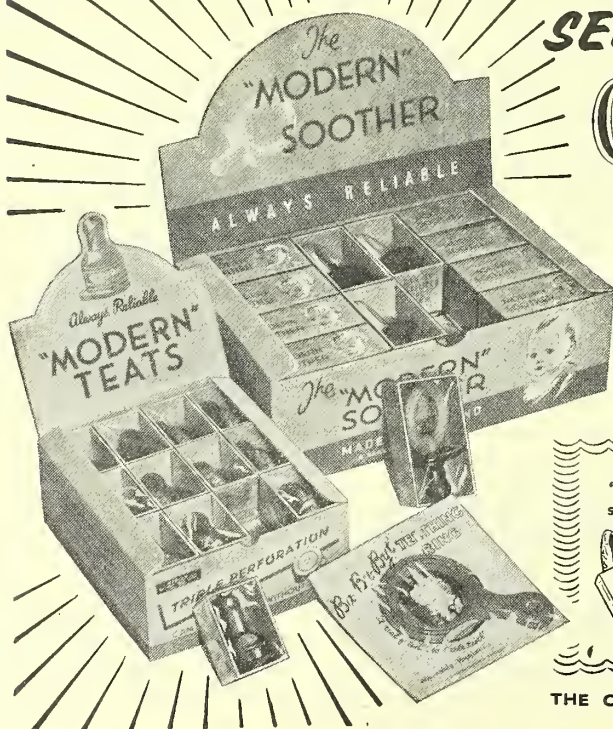
THORNTON & ROSS
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LINTHWAITE LABORATORIES
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TR 181

TOP QUALITY AND ATTRACTIVE PACKS

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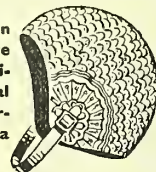


'Modern' teats with their triple perforation and spiral reinforcement are preferred by mothers, as they give 'nearest to natural' feeding. Now in the new 'two-dozen pack,' they retail at 7½d. each and are available in three flow sizes.

Reliability and maximum comfort to baby are assured with the 'Modern' soother. With transparent or coloured rubber rings 1/3d. each and Junior soothers 1/-. 'Ba-Bu-Byt' teething rings of best quality rubber for strength and resilience. Obtainable in pastel pink, blue and white at 1/- each.

Ask your wholesaler for full details.

'CAPITOL' BATHING CAPS are made in several designs in a large range of attractive colours, including the new Multi-coloured moulded caps. Internal ribbing gives the close and water-tight fitting so essential in a bathing cap.



THE CANNON RUBBER MANUFACTURERS, LTD.,
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SMALLER SIZE TRESS



Heavy advertising in
'WOMAN'
'WOMAN'S OWN'
'DAILY MIRROR' etc.
will reach
15,000,000 WOMEN
—widening the market for this
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TRESS, already one of the biggest selling wave sets, reaches an even wider market with the addition of this half-size pack. Be sure you have stocks to meet an entirely new demand for 1/9d Tress. The large size still continues in demand by enthusiasts who have formed the habit of buying Tress at 2/10½d per bottle.

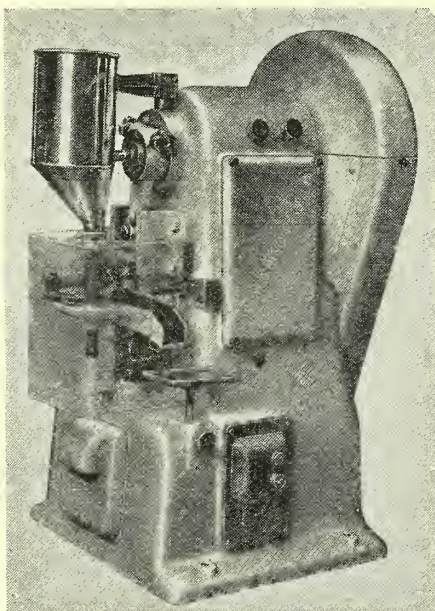
TRADE TERMS

SMALL SIZE
Price 8/10d
per dozen bottles
plus 90% tax
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LARGE SIZE
Price 14/5d
per dozen bottles
plus 90% tax
selling at 2/10½d per bottle.

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ROTARY and SINGLE PUNCH TABLETTING MACHINES

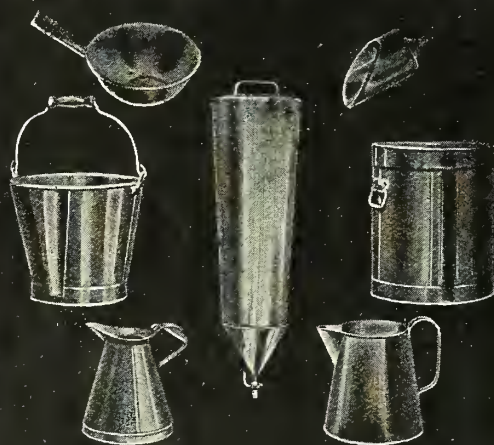
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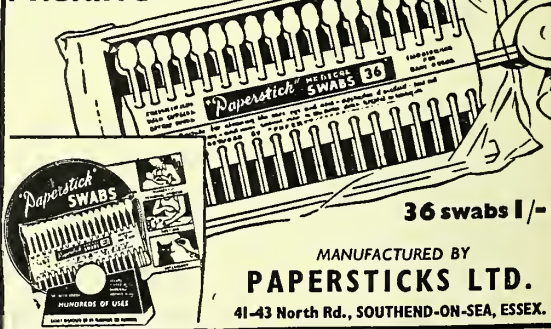
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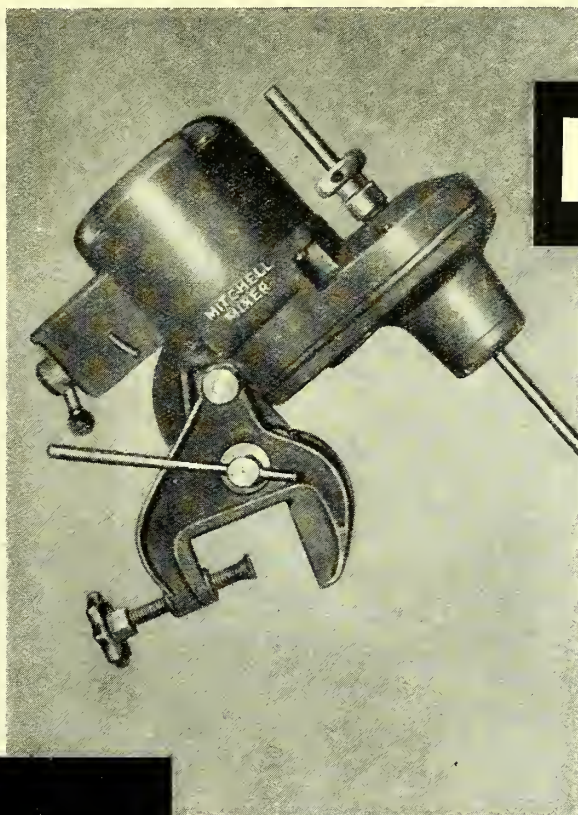
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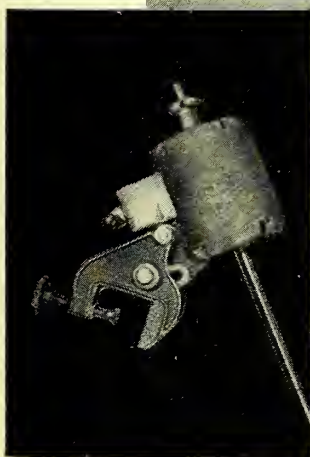
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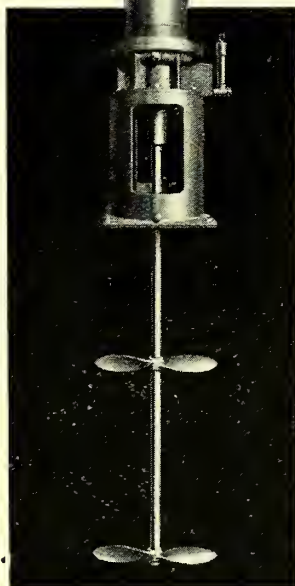
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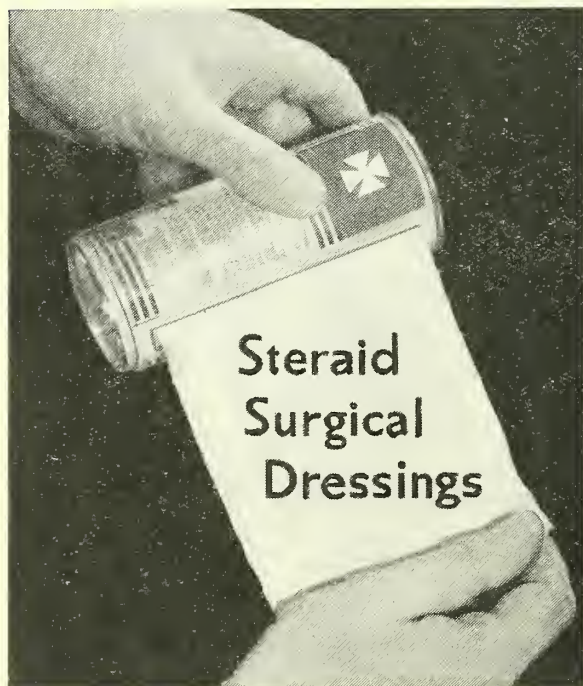


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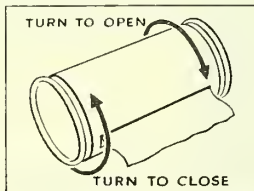
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*all the year
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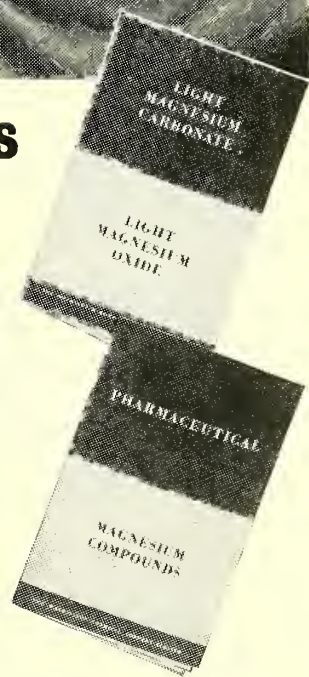


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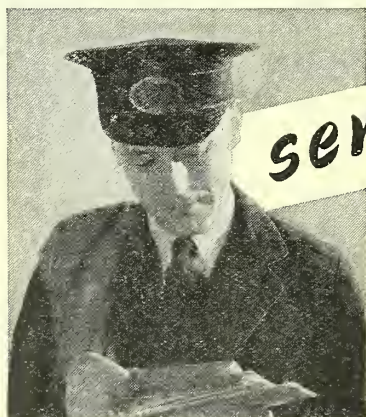
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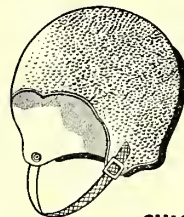
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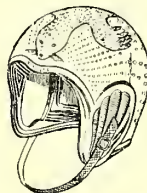


SEA-CHILD
with strap. One size only.
Retail Price including Tax 2/9



CHIC
with strap. Large medium and small.
Retail Price including Tax 3/3

SUBA-SEAL
with strap. Large medium and small.
Retail Price including Tax 4/11



SEA-MAID
with strap. Large medium and small.
Retail Price including Tax 3/11



To simplify selling, the caps are individually packed in transparent film, 12 assorted to your choice in a colourful display carton that is compact and economical of your precious counter space.



Regd.
Trade
Mark

WILLIAM FREEMAN & CO. LTD., SUBA-SEAL WORKS, PEEL STREET, BARNSELY
Telephone: Barnsley 4081. Telegrams: "Suba Seal" Barnsley

Display-and you'll sell

JOHN BELL'S



COLD CAPSULES

For Influenza, Feverish Chills and Colds



**BONUS TERMS
AND DISPLAYS**

13 to the dozen for orders of 3 dozen or more, plus attractive display material that creates impulse sales.

Retail price 1/10½ (incl. Tax) per tin.

Trade 11/6 per dozen (P. Tax 3/5½).

JOHN BELL, HILLS & LUCAS LTD., OXFORD WORKS, WORSLEY BRIDGE ROAD, LONDON, S.E.26

G & G



NEW

**CONTROLLED
FLOW**

Teat

↓

IT'S TRULY ANTI-COLIC

NEW

**NYLON
Bottle**

Mothers will be clamouring for the new Feedrite with the Controlled Flow Teat and the choice of Glass or Nylon bottle.

Our National Press campaign will bring them into your Shops. Don't disappoint your customers—make sure your stocks are sufficient to meet the demand.

Showcards and Leaflets supplied on request. Obtainable only from your wholesaler.

FEEDRITE BOTTLE AND CONTROLLED FLOW TEAT.

FEEDRITE SPARE BOTTLES.

FEEDRITE SPARE THERMAL HEAT RETAINING PAD SETS.

FEEDRITE ANTI-COLIC CONTROLLED FLOW TEATS Cherry or Straight.

FEEDRITE RUBBER BOTTLE STOPPERS.

FEEDRITE FOOD AND BATH THERMOMETERS.

FEEDRITE NYLON BOTTLE.



FEEDRITE LTD.

300, KINGSTON ROAD, MERTON PARK, LONDON, S.W.20

The Barnet

FREE

"Double Turn"

SUNGLASS DISPENSER



Double revolving panels · Displays two dozen pairs
Compact for space saving · Unique plastic holders
Adjustable viewing mirror

Supplied free with every 6 dozen of a wonderful assortment of Barnet sunglasses in eleven styles to suit all tastes and pockets. New fashion models, new effects, classic styles, all incomparably good value, priced from 2/9d. to 8/9d.



No. 1215
A stylish model with striped metallic colours. A sure seller at only 3/3d. retail.



No. 1209
1957's top fashion sunglasses with leather effects inlaid on a shapely metal hinged frame. Sells at 6/6d.



No. 1210
A beautifully finished metal half-frame with shatterproof lens. First in its class at 7/6d.

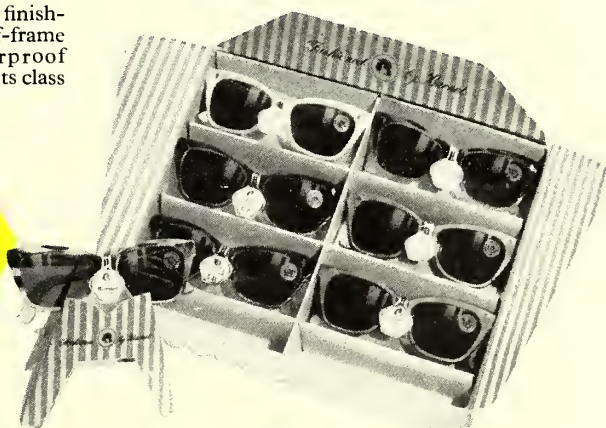
Above are just three examples from the eleven models—

REFILLS of all lines are supplied in 1 dozen optional dispenser packs. **SPECIAL 2 DOZEN REFILL** assorted over all eleven styles costs 76/6d; retails £5.14.10d.



The 6 dozen assortment complete with the FREE "Double-Turn" Dispenser:—

Costs the retailer £11.9.8d.
Retailers turnover £17.4.6d.



Ask your wholesaler for full details

Step up your sun sales with Barnet

Manufactured by (wholesale only):—

E. R. HOLLOWAY LTD · BESSEMER RD · WELWYN GARDEN CITY · HERTS

Phone: Welwyn Garden 4444



It is a long way to CARLSBAD

... but nevertheless you can benefit from the world-renowned healing springs of this famous spa. Carlsbad thermal salt replaces it by providing complete home treatment for stomach and gall diseases of all kinds — of course only if it is the genuine, natural one, from

Karlovy Vary!



Distributed by :

CHEMAPOL

Panská 9., Praha II., Czechoslovakia

The Best costs no more!

when ordering ZINC OXIDE
insist on —

FELLING

ZINC OXIDE B.P.

AND GET THE

Highest Standard of Purity

WHOLESALE ONLY SUPPLIED

ENGLISH MANUFACTURE

USED THROUGHOUT THE WORLD

Guaranteed free from lead and arsenic. Its manufacture is supervised throughout by qualified chemists. Each particle size will pass 240 mesh with less than 0.1% residue.

We supply most Wholesalers, but should you have difficulty please contact

H. LATTIMER

22 UPPER GROUND,
BLACKFRIARS, LONDON SE1

Telephone: WATERLOO 5800

Manufactured by FELLING ZINC OXIDE CO., LTD.

Restrictive Trade Practices Act 1956
FIXED RETAIL PRICES 1/8—3/9 Including Purchase Tax
The maintenance of these prices is a condition of sale

Dr. J. Collis Browne's CHLORODYNE

SALE RESTRICTED
TO REGISTERED CHEMISTS

Pharmacy and Poisons Act 1933
**PURCHASER'S SIGNATURE
NOT REQUIRED**

Sole Proprietors—

J. T. DAVENPORT LTD.

Union St., London, S.E.1

PATA

FOR OVER 100 YEARS



SE



OOD



OTTLES

UNITED GLASS BOTTLE MANUFACTURERS LIMITED

8 LEICESTER STREET, LONDON, W.C.2

Telephone: GERRARD 8611 (18 Lines)

Telegrams: UNGLABOMAN, LESQUARE, LONDON

BIGGEST 2 PLY ROL

with the

BIGGEST-EVER**profit margin**

(Until March 31st)

4 1/2^D on every**ACTUALLY 4 5/12 d.****Trade: 10/7d per dozen****Retail: 1/3d each**

(Minimum case 2 doz.)

HURRY! HURRY!

THERE'S A FREE DISPLAY STAND TOO!
It's simple, stylish, packed with sales
appeal—and it comes free with your
first order. Put it out in front—
that's where it deserves to be, for
OZO is way ahead in value!

AND REMEMBER*Petal Soft***PEACH, BLUE & GREEN!****Trade: 11/1d per doz. Retail: 1/3 each**

(Minimum case 3 doz. — 12 each peach, blue, green)

BACKED B

NEW WHITE



roll

ORDER THROUGH YOUR USUAL SUPPLIER

National **ADVERTISING THROUGHOUT THE YEAR**

Ellern Paper Company Limited, Ashford Road, Ashford, Middlesex

The name that guarantees accuracy

- CLINICAL THERMOMETERS
- HOUSEHOLD THERMOMETERS
- INDUSTRIAL THERMOMETERS

**G · H · ZEAL
LTD**

LOMBARD ROAD · MORDEN
ROAD · LONDON · S.W.19

Telephone: LIBERTY 2283-4-5-6 and 4201
Cables: "Zealdam" London



Reflect your professional pride

"STANDARD" OWN NAME
COUNTER PACKS

A complete ethically presented
range of tablets, pills and
packed pharmaceuticals with
your exclusive label at
competitive prices



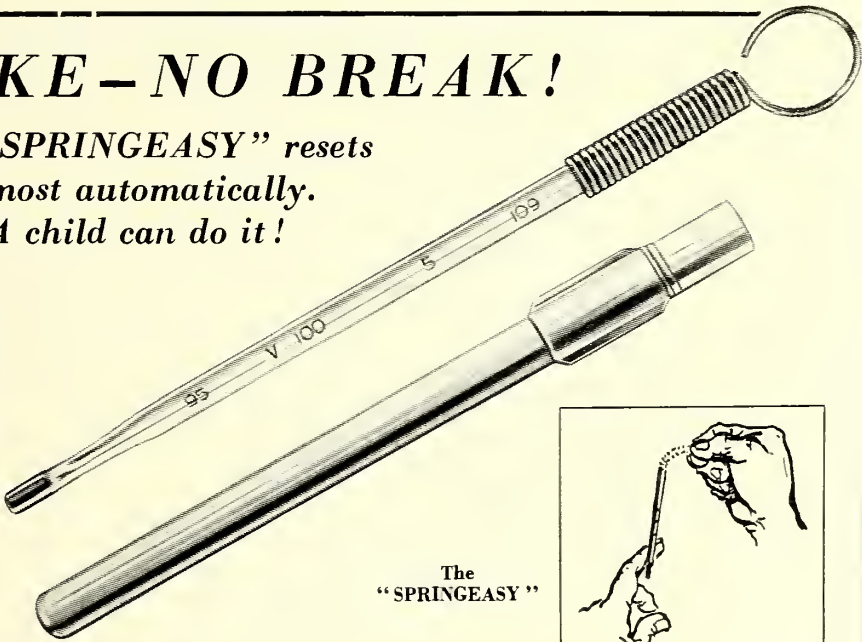
FULL INFORMATION FROM:—

THE STANDARD TABLET CO. LTD., GOLDSTONE LABORATORIES, HOVE 4, SUSSEX

NO SHAKE-NO BREAK!

The "SPRINGEASY" resets
almost automatically.
A child can do it!

Most breakages are due to resetting difficulties. The "Springeasy" clinical thermometer overcomes these difficulties as well as those experienced by most people when trying to shake a thermometer down.



The
"SPRINGEASY"

- INDIVIDUALLY PACKED WITH FULL INSTRUCTIONS
- A BOON TO THE HARASSED HOUSEWIFE IN TIME OF SICKNESS



TRADE MARK

HEATH, HICKS & PERKEN (Thermometers) LTD.,
NEW ELTHAM, LONDON, S.E.9. (ELTHAM 3836)
Showrooms:- 8 Hatton Garden, London, E.C.1. (Holborn 1743)

FRUIT JUICES
PHARMACEUTICALS
PRESERVATIVES
AROMATICS

When it comes to
'know-how'

we also are proud of
our skill...



BUSH FINE CHEMICAL
MANUFACTURERS

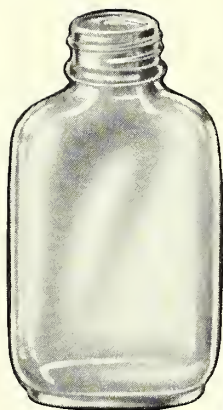
W. J. BUSH & CO. LTD. LONDON · E 8 · ENGLAND

Telephone: CLIssold 1234

QUALITY

IN WHITE FLINT

GLASS CONTAINERS



First Class
in GLASS

NATIONAL GLASS WORKS (YORK) LTD.

FISHERGATE, YORK. Tel. YORK 23021
ALSO AT: 105 HATTON GARDEN, LONDON, E.C.1.
Tel. HOLBORN 2146

- Prompt delivery from stock
- Packed in easily handled cartons

WHOLESALE ONLY



DISPENSING BOTTLES

1-oz. to 20-oz.

RIBBED OVALS

½-oz. to 16-oz.

BOW-FRONT PANELS

1-oz. to 8-oz. and 16-oz.

OLIVE OIL BOTTLES

2½-oz., 5-oz. and 10-oz.

OVAL TABLET BOTTLES

Nos. 1 to 7½ sizes.

ROUND SCREW JARS

Tall and Semi-squat.

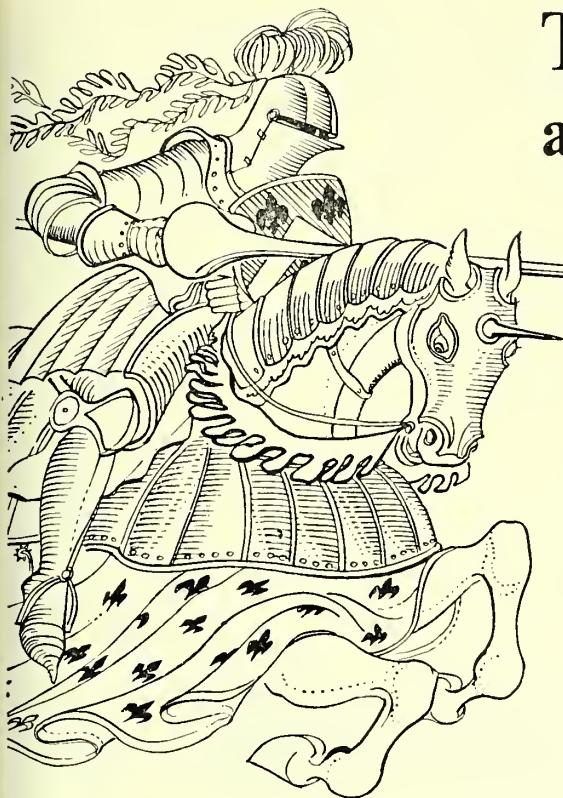
PANEL FLATS

1-oz. to 4-oz.

VIALS

½-oz. to 3-oz.

Two weapons against Athlete's Foot and other fungal dermatoses



Amongst people in all walks of life Mycil Ointment and Powder have become established as preparations of undoubted effectiveness in the treatment of athlete's foot.

Both preparations are non-mercurial. Both are effective in prophylaxis as well as in treatment.

Mycil Powder is also recommended to combat the effects of excessive perspiration.

	TRADE RETAIL	
OINTMENT—collapsible tubes	1/6	2/9
POWDER—sprinkler tins	1/6	2/9

'MYCIL'

TRADE MARK



THE BRITISH DRUG HOUSES LTD. LONDON N.1

Of proved efficiency against infection

The Antipeol products incorporate the broth filtrates of the microbes common to most cutaneous, naso-pharyngeal and ocular complaints.

ANTIPEOL

CUTANEOUS OINTMENT

For the immediate treatment of Burns and Scalds. For Boils to avert surgical intervention. Also for ABSCESSSES, ECZEMA, CARBUNCLES, VARICOSE ULCERS, HAEMORRHOIDS, and certain types of DERMATITIS.

RHINO-ANTIPEOL

PROPHYLACTIC NASAL CREAM

For ASTHMA, BRONCHITIS, CATARRH, CORYZA, RHINITIS and many other infections of the naso-pharynx.

OPHTHALMO-ANTIPEOL

THERAPEUTIC OPHTHALMIC OINTMENT

For BLEPHARITIS, CONJUNCTIVITIS, DACRIOCYSTITIS, KERATITIS and other inflammatory conditions of the eye.

Among the MEDICAL AND NURSING PROFESSION and THE FIRST AID ASSOCIATIONS, the ANTIPEOL preparations enjoy a continued and growing popularity. They are highly regarded as simple but effective remedies against even the more virulent forms of skin, nose and eye infections.



MEDICO-BIOLOGICAL LABORATORIES LTD.

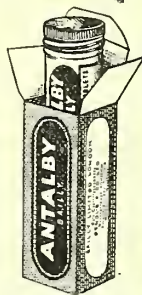
CARGREEN ROAD, SOUTH NORWOOD, LONDON, S.E.25.

ANTALBY

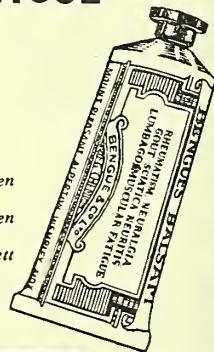
BAILLY

**THE NON-TOXIC ANTIDYSPOEIC**

IN TWO FORMS:

TABLETS for oral administration
SUPPOSITORIES for adult and child treatment*Indicated in Essential and
Symptomatic Asthma,
Emphysema, and other causes
of respiratory distress.*

PACKINGS	Retail Price P.T. inc.	TRADE PRICES
TABLETS: Tin of 30	5/8	4/5½ P.T. inc.
Dispensing Pack		
250 tablets	..	24/- per pack plus 7/2½ P.T.
SUPPOSITORIES		
Adults: Carton of 6	5/8	4/5½ P.T. inc.
Children: Carton of 6	4/8	3/8 P.T. inc.

**BENGUE & CO., LTD.,** Manufacturing Chemists,
MOUNT PLEASANT · ALPERTON · WEMBLEY · MIDDLESEX**BENGUE'S
BALSAM****Rapid relief from the pains of
MUSCULAR FATIGUE
AND STRAIN****PRICES TO YOU:**

½ oz. tube:
15/9 plus 4/7 P. Tax per dozen
1 oz. tube:
27/6 plus 8/- P. Tax per dozen
1 lb. Dispensing Pack; 28/- each nett

RETAILING AT:

2/2 and 3/9 per tube respectively.

GUM TRAGACANTH**GUM KARAYA**WHOLE AND POWDERED
DIRECT IMPORTERSPhone:
MANSION
HOUSE
4405
(3 lines)**M. HAMBURGER & SONS
LIMITED**
Plantation House
MINCING LANE · LONDON E.C.3**THE WORLD'S GREATEST BOOKSHOP****FOYLES**
FOR BOOKS

NEW, SECONDHAND AND RARE

BOOKSFoyles have departments for Gramophone Records,
Stationery, Handicraft Tools and Materials, Music,
Magazine Subscriptions, Foreign Stamps.

119-125 CHARING CROSS ROAD, LONDON, W.C.2

Gerrard 5660 (20 lines) ★ Open 9-6 (Thur. 9-7)
Two minutes from Tottenham Court Road Station**GALLIC ACID
PYROGALLIC ACID**

(RESUBLIMED, PURE CRYSTAL AND TECHNICAL)

AND DERIVATIVES

WHOLESALE AND EXPORT ONLY

J. L. ROSE, LIMITED, ABBEY ROAD, BARKING, ESSEX

HEAVIER NATIONAL ADVERTISING

**The TONIC you need
when under
NERVOUS
STRESS**

Are you run down and nervy—like Mrs. Balmers of Liverpool? She writes: "... on advice I started taking Phosferine Tablets ... my nerves were useful also I had no appetite, now I am quite well too, are living on your nerves begin taking Phosferine."

A famous doctor points out that life today can lead to an over-stimulation of the glands. These tiny glands control your nervous system. If they become over-stimulated then your whole system suffers—and this condition is known to the medical profession as "The Stress Concept". To help you avoid illness and keep your nerves from getting on edge, Phosferine is the role of a good tonic. That is why people take Phosferine, and feeling so much better.

**Phosferine wards off stress
—lets you relax**

Phosferine helps you when you are tired, tense and over-wrought, ensuring better nourishment for your nervous system. It helps to tone up your digestive system, building health so that you are no longer subject to fears and anxieties. Take Phosferine and you will find you can sleep, you can work without worry.

PHOSFERINE

In Tablet or Liquid form 1/9 and 4/9

PROMOTES GOOD HEALTH!

This powerful advertising is
now appearing in the
**DAILY SKETCH
DAILY EXPRESS
NEWS CHRONICLE
DAILY HERALD DAILY MAIL
PEOPLE EMPIRE NEWS
NEWS OF THE WORLD
SUNDAY DISPATCH
SUNDAY GRAPHIC**

PLUS
**big-circulation magazines
and leading provincials**

**The TONIC you need
when under
NERVOUS
STRESS**

run down and nervy—like Mrs. Balmers of Liverpool? She writes: "... on advice I started taking Phosferine Tablets ... my nerves were useful also I had no appetite, now I am quite well too, are living on your nerves begin taking Phosferine today."

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PHOSFERINE

In Tablet or Liquid form 1/9 and 4/9

PROMOTES GOOD HEALTH!

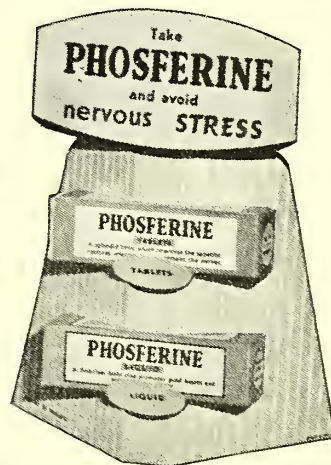
More Phosferine ads. in more papers. More people responding to this powerful message. This is no time to be short of stocks. Why not make a check now—send us an order?

Make this higher-frequency publicity work for you by displaying this

BUSINESS - GETTING COUNTER STAND

Here is the point-of-sale partner to Phosferine advertising. Simple, effective, economical in counter-space, yet always eye-catching.

PHOSFERINE
PROMOTES GOOD BUSINESS !



Orders and enquiries to:
**BEECHAM PHARMACEUTICALS LTD.,
ST. HELENS, LANCs.**



VISTASCREEN
TRADE MARK

OUTSTANDING VALUE • APPEAL • PROFIT

An outstanding A.P.F. line—more than a toy, a novelty with real interest and educative value. At this price, a sure winner. Neat and compact and strongly made in rich polystyrene plastic. Individually boxed for easy handling. Stock it, display it and—watch the sales roll in.

3-DIMENSIONAL VIEWER

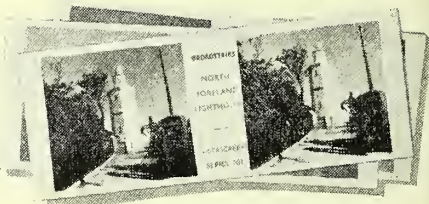
Only **2/6** retail

follow up sales with the . . .

VISTASCREEN 3-D VIEWS

Almost 100 sets of ten pictures, each set separately boxed. Beauty spots . . . Historic houses . . . Glamour models . . . Animals for the children. They're natural, inevitable sales to follow the sale of a viewer. At only 2/6 a set they'll be one of your 'best-sellers' ever!

per **2/6** set



THE VISTASCREEN CO. LTD., 16 Soho Sq., London, W.1
Phone COVent Garden 3333 (A Member of the Capital Group of Companies)



MENTHOL IPECAC QUILLAIA

and all other Botanicals, Gums,
Waxes, Essential Oils and Spices

JOHN KELLYS (LONDON) LTD.
24 OLD BROAD STREET, E.C.2

Telephone: LONdon Wall 6585 (4 lines)

Telegrams: "Ergotine, Stock, London"

NEW YORK • HAMBURG

MORE TILLS are tinkling every week

Is yours? Have you ordered Shandruff yet? It's time you stocked this new money spinner, because as a 6d. sachet it is now doing big figures. Reasons
(1) It's very, very good
(2) It's most attractive
(3) It's an automatic "repeater." So



These neat little counter cards will aid your sales.

Price 42/- per gross sachets, plus P.T. AVAILABLE ON SALE OR RETURN
Overseas Enquiries to:
Gordon & Gotch, Ltd. (export division), 75/79 Farringdon St., London, E.C.4.
or from your usual wholesaler and

VINES BIOCIN LIMITED

222-224, HARROW ROAD, LONDON, W.2

Telephone: CUNningham 1172-3

MEGGEZONES



help your customers
to weather the winter

free from coughs, colds and catarrh

MEGGEZONES



national advertising in
the press, on posters

and cinemas, maintains high sales

MEGGEZONES



should be prominently
displayed by chemists

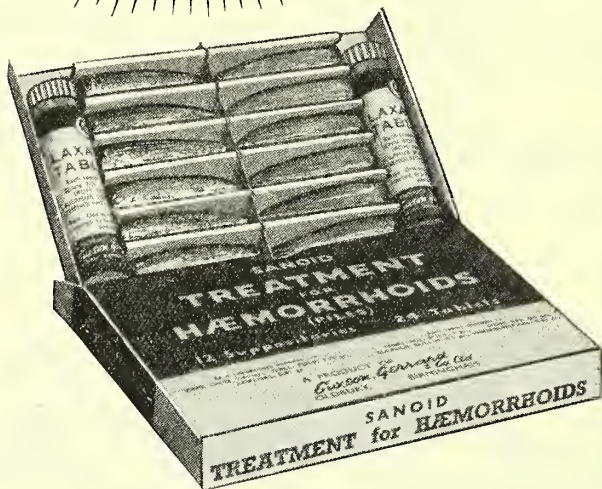
particularly at the present time

1/10

PER TIN
(Retail)



A NEW PACK



SANOID HÆMORRHOID TREATMENT

Made to well tried formulæ, the suppositories and laxative tablets of this complete treatment have sold regularly for many years.

It is now presented in a new, more convenient and elegant, transparent wrapped pack, and offers a splendid opportunity for increasing business.

The demand for a product such as this is perhaps greater than is generally realised, but for consistent sales a regular ready-to-hand counter display is necessary. This not only saves the customer any embarrassment, but also reminds him that the product is available for his needs.

SHOWCARD AVAILABLE ON REQUEST

PRICES:

Trade 44/6 doz. + 13/3 P.T.

Retail 6/9 each

≡ A PRODUCT OF *Cuxson, Gerrard & Co. Ltd.* OLDBURY, BIRMINGHAM ≡

LAPORTE FINE CHEMICALS

HYDROGEN PEROXIDE

BENZOYL PEROXIDE
ORGANIC PEROXY COMPOUNDS
MAGNESIUM PEROXIDE
ZINC PEROXIDE
URÆA HYDROGEN PEROXIDE
SODIUM PERBORATE
SODIUM PERCARBONATE
PERSULPHATES
TITANIUM DIOXIDE
BARIUM SULPHATE B.P.
SODIUM LAURYL SULPHATE
EMULSIFYING WAXES



LAPORTE

Laporte Chemicals Ltd., Luton.
Tel.: Luton 4390.
Cables: Laporte, Luton.

FOR EVERY PURSE AND PURPOSE!

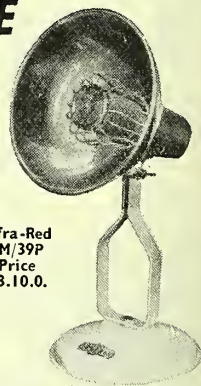


For 25 years "SOL-TAN" health lamps have been popular for home, professional and hospital use. Their wide range covers all types of Ultra Violet, Infra-Red, Radiant Heat and combinations of 2 or 3 types in one reflector. Continual improvement has kept "SOL-TAN" in line with the latest developments in Electro Medical Research. Well constructed and finished they are guaranteed for 12 months.

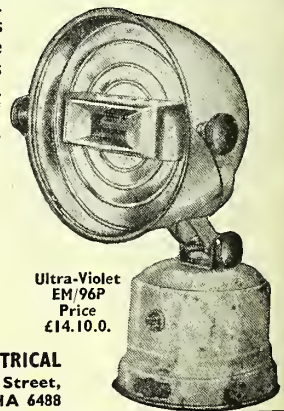
ALL LAMPS SOLD UNDER
DOCTOR'S PRESCRIPTION

Write or 'phone for full particulars and illustrated lists of Infra-red lamps, Ultra-violet lamps and high frequency machines.

THE LONDON COMMERCIAL ELECTRICAL
STORES LTD. 22/23 Cursitor Street,
London, E.C.4. Telephone: CHA 6488



Infra-Red
EM/39P
Price
£3.10.0.



Ultra-Violet
EM/96P
Price
£14.10.0.

EVERY TIME
you sell
'CALIFORNIA
SYRUP of FIGS'
REGD.



... Suggest
'Califets'
as well!
REGD.

ADD 'SOLID' PROFITS TO 'LIQUID' ASSETS!

'California Syrup of Figs' has long enjoyed a consistent sale to millions of families who 'would never be without it'. But, in each of these families, there are probably members who prefer the convenience of a laxative in handy tablet form. So, whenever one of your customers buys a bottle of 'California Syrup of Figs', suggest 'Califets' as well. Display both ... recommend both ... and you'll SELL both—in more cases than you'd believe possible.

THE CHAS. H. PHILLIPS CHEMICAL CO. LTD.,
179 ACTON VALE, LONDON, W.3.

The famous **INECTO** trio...

★ INECTO RAPID

Has kept cash registers ringing for fifty years. Has a world reputation for tinting white or grey hair permanently and undetectably. Universally used and recommended. Sold with simple picture directions, in 18 natural shades.

2/6 plus P.T. Retail 6/-

★ COLOUR CREME

The "baby" of the Inecto family with the "grown-up" sales record. Creamy rich and so gentle, it is available in the same 18 shades as Inecto Rapid. Its deep reconditioning qualities actually improve hair health.

3/4 plus P.T. Retail 8/-

★ FOUR-IN-ONE

Is one of the most popular and profitable lines ever produced by Inecto. A single application lightens, brightens, colours and conditions drab, faded or just-greying hair in shampoo time. In 11 glamorous shades.

2/6 plus P.T. Retail 6/-

FROM ANY WHOLESALER

**BACKED BY CONTINUOUS AND
COMPELLING ADVERTISING**

* Ask for free shade indicator
and attractive "hand-out" leaflets.

Enquiry Bureau

INECTO HOUSE, 27 DOVER STREET, LONDON, W.1

Hyde Park 7541 (12 lines)

**doesn't need Jochem's
any more!!**

This happy man has no further need for Jochem's—but thousands of hair-worried men and women have! Many of them come into your shop—and they'll be grateful to you for recommending this amazingly effective preparation. Like Mr. E. S., they'll pass on the good news to their friends—and that means more business for you. You'll find it highly profitable to stock and sell Jochem's Wonderful Dutch Hair Preparation. Contact your wholesaler about supplies or, if you wish, write or telephone us in the first place for fully detailed free brochure.

★ Hundreds of testimonials from all parts of the country can be seen at our offices on request.

Jochem's WONDERFUL DUTCH HAIR PREPARATION

Manufactured (under licence) by BEAUTISALES LTD., 35 Old Bond St., London, W.1.

Telephone: HYDe Park 2565-6

EIRE AGENTS: MUR-RA LTD., 132 ST. STEPHEN'S GREEN, DUBLIN.

Dear Sir,

Spalding,
Lincs.

Please send me by return two bottles of Jochem's Hormone Preparation.....I am very pleased to say that I don't need it any more for myself; thanks to you and your hair restorer, baldness is only an unpleasant memory for me now.

Yours faithfully,
(signed) E.S. (Mr.)

RETAIL
PRICE
21/-
PER BOTTLE

The Supreme GLUCOSE Beverage



FERGUZADE
REPLACES LOST ENERGY
—deliciously
and
makes
a **big**
PROFIT
FOR YOU!

A HIGH QUALITY PRODUCT

It's prepared with naturally pure sparkling water from Strathmore Springs in Scotland.

RECOMMEND IT WITH
CONFIDENCE

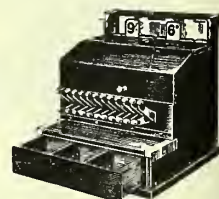
—repeat orders will follow.

ENQUIRIES, including EXPORT to
FERGUZADE, LTD., Strathmore Springs, Forfar, Scotland

The Sturdy GLEDHILL Cash Register

INCORPORATES EVERY
WORTH-WHILE FEATURE

AN ALL BRITISH
PRODUCTION



Hire Purchase
terms available

G. H. GLEDHILL & SONS LIMITED, 28 TRINITY WORKS,
HALIFAX.

Now Available—A Modern Version of an Old Favourite

The Art of Dispensing

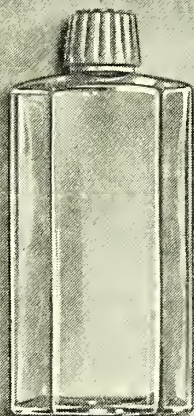
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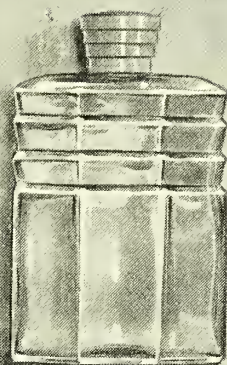
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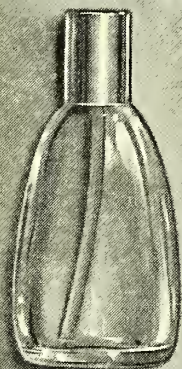
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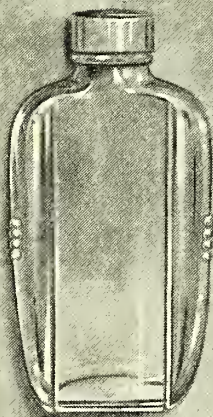
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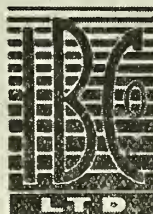
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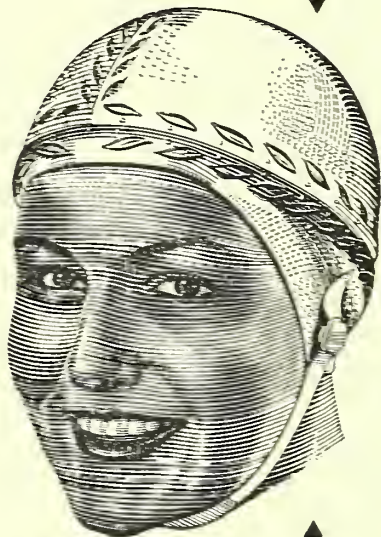
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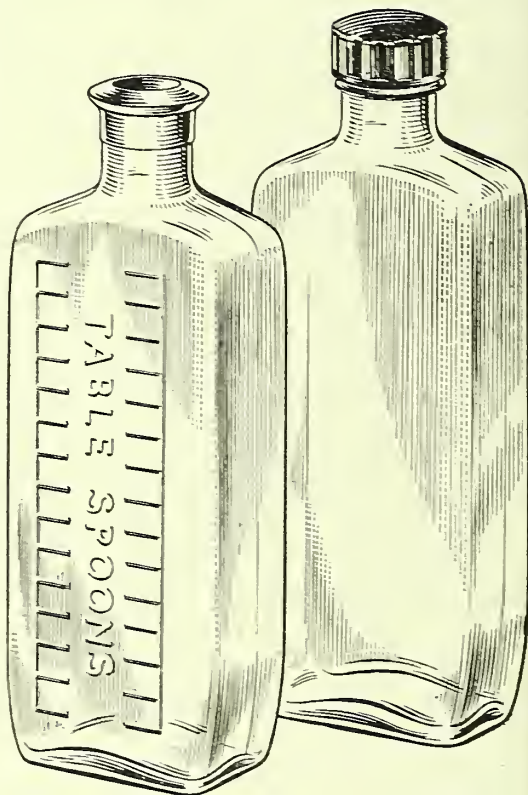


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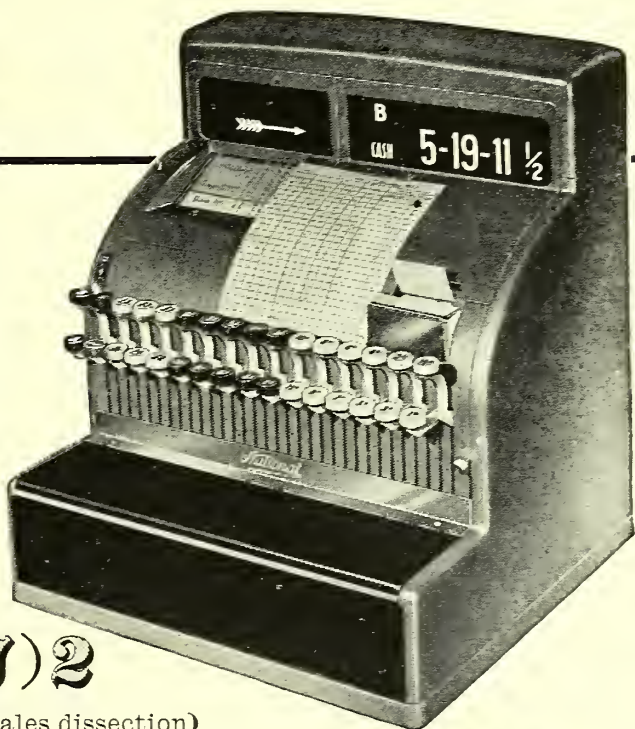
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PREMISES TO LET
ADJOINING Oakwood Tube Station (Piccadilly Line). Parade of six lock-up shops in course of erection. Only one available. Excellent opportunity for chemist in this much sought after residential district. Sole agent, Barnard Cook, facing tube station, Oakwood, N.14. Barnet 4000. C 4469

BUSINESSES FOR DISPOSAL
HULL, Yorkshire. Drug store in main road in residential area; double-fronted shop fitted with modern lighting and fixtures. Opportunity for pharmacist for dispensing. Rent £100. Illness reason for sale. £900 and s.a.v. (about £700). Box C 4438.
MEDWAY TOWNS, KENT. Well-established chemist business. T.O. £3,500. Opportunity to add pharmacy. Lock-up shop with cellar, fully equipped light oak fittings. Lease £200 per annum. House might be available. Price, goodwill, lease, fixtures and fittings, £1,500. Stock at valuation. W. E. R. Randall & Sons, 23 Railway Street, Chatham. C 4465
SCARBOROUGH. old-established, double-fronted, well stocked pharmacy for disposal with excellent living accommodation three minutes from railway station and adjacent to country bus terminus. Full particulars on application to Box C 4459.
SMALL lock-up pharmacy, no N.H.S., mainly seasonal, in popular S.E. Coast resort. Would suit semi-retired pharmacist. Box C 4464.
SOUTH-EAST SCOTLAND. Residential town. Low rental. Lease available. Present owner emigrating. Easy ingoing for quick sale. Box C 6296.

APPOINTMENTS
ANCOATS HOSPITAL, MANCHESTER, 4
Assistant-in-Dispensing
or Technician for work in Pharmaceutical Department. Salary in accordance with Whitley Scale. In writing, giving particulars and names of two referees to the General Superintendent. C 6275

BRADFORD "A" GROUP HOSPITAL MANAGEMENT COMMITTEE
BRADFORD ROYAL INFIRMARY
Pharmacist
Applications are invited for the appointment of Pharmacist (male or female). The position offers excellent experience. Salary in accordance with Whitley Council agreements. Applications stating age, experience and qualifications, together with the names of two referees to the Group Secretary. C 6241

CLARE HALL HOSPITAL, SOUTH MIMMS, Nr. BARNET, HERTS
(405 beds for diseases of the chest)
Senior Pharmacist
required, Whitley Council scale, including London Weighting (also £25 per annum for higher qualification if appropriate). Department serves other hospitals. Applications, stating age, qualifications, experience, and giving names of two referees, to be sent to the Medical Director. C 312

CITY GENERAL HOSPITAL, SHEFFIELD, 5
Locum Pharmacist
required. Rate of pay £16 16s. per week. Apply giving full details and period available to the Group Secretary, Nether Edge Hospital, Sheffield, 11. C 6297

COLLEGE OF TECHNOLOGY, BIRMINGHAM
(Designated College of Advanced Technology)
Department of Pharmacy
Senior Lecturer
Applications are invited for the above post in Pharmaceutics. Applicants should be graduates in Chemistry or Pharmacy and be registered Pharmaceutical Chemists. Industrial Pharmaceutical experience will be of considerable advantage. Salary will be in accordance with the Burnham (Further Education) Scale for Senior Lecturers as follows: (Men) £1,350 x £50—£1,550, (Women) £1,080 x £40—£1,240 plus equal pay increments. Further particulars and form of application may be obtained from the Registrar, College of Technology, Suffolk Street, Birmingham, 1, on receipt of stamped addressed foolscap envelope. Applications to be received within 18 days of this advertisement. K. R. PILLING, Clerk to the Governing Body. C 6312

DULWICH HOSPITAL, EAST DULWICH GROVE, LONDON, S.E.22
Senior Pharmacist
required at above hospital. (Category IID). There is an association with King's College Hospital Medical School for undergraduate teaching purposes. Salary and conditions according to Whitley Council agreements. Applications, with names of two referees to Group Secretary, Dulwich Hospital, or enquiries direct to Chief Pharmacist. C 6281

ELIZABETH GARRETT ANDERSON HOSPITAL (Royal Free Hospital Group)
Pharmacist
Applications are invited for the post of Pharmacist at this hospital. Salary in accordance with Whitley Council scale. Applications, with names of two referees, should be addressed to the Group Chief Pharmacist, Royal Free Hospital, Gray's Inn Road, W.C.1. C 6300

FINCHLEY MEMORIAL HOSPITAL, GRANVILLE ROAD, NORTH FINCHLEY, N.12
Part-time Pharmacist
20-24 hours weekly, suitable for married woman. Whitley salary. Apply to Hospital Secretary. C 313

KING EDWARD VII HOSPITAL, WINDSOR
Locum Pharmacist
required, June to August, inclusive. Salary by arrangement. Applications to Secretary, as soon as possible. C 6253

HOSPITALS FOR DISEASES OF THE CHEST
Pharmacist or Senior Pharmacist
Applications are invited for the post of Pharmacist or Senior Pharmacist at THE LONDON CHEST HOSPITAL. Salary in accordance with the Whitley Council scales. Applications, stating age, qualifications and experience, accompanied by two testimonials should be addressed to the House Governor, London Chest Hospital, E.2. C 6321

MEDWAY AND GRAVESEND HOSPITAL MANAGEMENT COMMITTEE, ST. BARTHOLOMEW'S HOSPITAL, ROCHESTER, KENT
(201 beds)
Pharmacist
required for busy general hospital; good experience, Recognised salary scale and conditions of service. Applications, giving full details of experience and names of two referees, to the Hospital Secretary. C 6320

MONMOUTHSHIRE COUNTY COUNCIL, THE HEALTH CENTRE, CHURCH STREET, TREDEGAR, MON.
Deputy Chief Pharmacist
Applications are invited for the post of a Deputy Chief Pharmacist at the above Health Centre. The salary will be in accordance with the Whitley Council Hospital Scale, viz., £675-£910 per annum. The appointment will be subject to a medical examination, to the provisions of the National Health Service (Superannuation) Regulations and to the Regulations of the Council in force from time to time. Application forms may be obtained from the undersigned to whom they should be returned not later than March 16, 1957. VERNON LAWRENCE, Clerk of the Council. County Hall, Newport, Mon. February 22, 1957 C 6274

NAPSURY (MENTAL) HOSPITAL MANAGEMENT COMMITTEE, Nr. ST. ALBANS, HERTS
Senior Pharmacist
Applications are invited for the above post. £650 x £30—£830. New Pharmacy in course of construction. Applications to the Group Secretary, with names of two referees, endorsed "SENIOR PHARMACIST." C 301

SHEFFIELD No. 1 HOSPITAL MANAGEMENT COMMITTEE
Pharmacist
Applications are invited for the appointment of pharmacist at the City General Hospital. Salary scale £580 x £30 (6)—£760 x £25 (1)—£785. Increments on scale may be granted to candidates with previous professional experience or who have completed national service since qualification. Apply giving full details of age, qualifications, experience, etc., and the names of two persons for reference to the Group Secretary, Nether Edge Hospital, Sheffield, 11. C 6309

Appointments—Continued**ROYAL NORTHERN HOSPITAL,
HOLLOWAY ROAD,
LONDON, N.7****Senior Pharmacist**

required. Duties will include preparation of sterile products. Post vacant March 1, 1957. Whitley Council salary. Application forms obtainable from Hospital Secretary. C 6207

**SHREWSBURY HOSPITAL
GROUP****Assistants-in-Dispensing**

Royal Salop Infirmary and Eye, Ear and Throat Hospital. Whitley Council salary scales and conditions. Applications to undersigned.

J. P. MALLETT,
Group Secretary.
C 6298

**ST. BARTHOLOMEW'S HOSPITAL,
LONDON, E.C.1****Senior Pharmacist**

required in early April. Salary in accordance with Whitley Council scales. Particular responsibility for sterilising work in the department. Applications in writing, giving details, to Chief Pharmacist. C 6302

**ST. BARTHOLOMEW'S HOSPITAL,
LONDON, E.C.1****Locum Pharmacist**

required from April to October. Salary at the rate of £16 16s. per week. Applications, in writing, giving details, to Chief Pharmacist. C 6301

**ST. HELIER HOSPITAL,
CARSHALTON, SURREY
(731 beds)****Senior Pharmacist**

Applications invited for above post. General acute hospital (Category V). Well equipped pharmaceutical department. The successful applicant will be responsible for the manufacture and issue of ward stocks within hospital and also for issues to the other nine hospitals in Group.

Salary (plus London Weighting) in accordance with Whitley Council Scale. Good canteen facilities. Apply, giving names of two referees, to the Secretary. C 6313

**THE BOW ARROW HOSPITAL,
DARTFORD****Locum Chief Pharmacist**

required for Hospitals in the Dartford Group for a period of three months commencing July 1, 1957. Salary up to 16 guineas a week, according to experience. Accommodation for a single person can be provided, if required.

Applications with full particulars should be sent to the Group Secretary. C 6318

**WEST MIDDLESEX HOSPITAL,
ISLEWORTH, MIDDLESEX****Pharmacist or Assistant-in-Dispensing**

required, part-time. Whitley salary and conditions applicable. Applications stating age, qualifications and experience, with names of two referees to Chief Pharmacist. C 6291

**WHITTINGHAM HOSPITAL,
nr. PRESTON, LANCs****Senior Pharmacist**

(whole-time) required at the above hospital. Commencing salary between £650 and £700 per annum according to experience, rising by regular increments to £830 per annum. Modern pharmacy, good working conditions. Applications immediately to the Secretary. C 6310

**SITUATIONS VACANT
RETAIL (HOME)**

A PERMANENT POSITION will shortly become available for a pharmacist, of either sex, with a view of taking over management of the head pharmacy of L. Matthews & Son (Chemists), Ltd., whose branches operate at Wanstead, Woodford, Leytonstone, and Buckhurst Hill. Opportunity exists for gaining extensive knowledge and experience in up-to-date and progressive methods in business, additionally to that of dispensing, where the same high standards prevail. Applications are invited from those possessing a high degree of business acumen and high-class pharmaceutical experience, for which a quite attractive four-figured salary and three weeks paid holiday this summer and annually, and commission, is available, for disclosure at an interview. Apply, Mr. C. Gibson, Ph.C., L. Matthews & Son (Chemists), Ltd., 722 High Road, Leytonstone, London, E.11. C 4457

BRENTWOOD. A managing pharmacist required for a substantial dispensing business in this area. The shop is attractively fitted; with a good supporting staff and accommodation is available if required. Apply with full details, stating when available for interview to Box C 4448.

COVENTRY. Pharmacist required as assistant manager for modern central pharmacy. Good working conditions with excellent supporting staff. No rota, Sunday, or holiday duties. Salary £910 per annum, plus bonus. Superannuation scheme in operation with transfer clause. Suitable accommodation will be obtained if required. Full particulars of experience, etc., to: Superintendent Chemist, Lockhurst Lane, Co-operative Society, Ltd., Holmsdale Road, Coventry. C 4455

DONCASTER CO-OPERATIVE CHEMISTS, LTD., require the services of pharmacist (male or female) as branch manager. Payment on "sales" scale, plus bonus. Salary at smallest branch over £900 per year. Rota payment extra. All shops in prosperous industrial areas where sales increases are possible. 44-hour week. Applications with usual particulars to the Superintendent Chemist, Doncaster Co-operative Chemists, Ltd., P.O. Box 20, Doncaster. C 278

ILFORD. Pharmacist of ability required to manage modern and attractive shop. There will be a substantial salary structure, a good supporting staff and well equipped dispensary. Permanency with superannuation benefits. Flat accommodation available if desired. Apply, stating full details and when available for interview to Box C 4447.

PHARMACIST (male, 30-40) required to take charge of the dispensary and to assist generally in the management of the drug and perfumery department of a London store. Hours 9 a.m. to 5.30 p.m. Sats., 1 p.m. Pension scheme. Generous holiday allowance and staff purchasing facilities are offered. Write, with full particulars to Box No. 696, Sells, Ltd., Brettenham House, Lancaster Place, W.C.2. C 310

PHOTOGRAPHIC STAFF. London Co-operative Chemists are desirous of obtaining the services of male or female staff interested in the sale of photographic requisites and cameras. The positions offer progress and promotion and are situated in various suburban districts of London. Application by letter to Photographic Manager, Grange Road, Leyton, E.10, when an appointment will be arranged. C 4449

SCOTLAND. Chemist required with experience as pharmacy manager, for Glasgow residential suburb. An excellent salary will be paid with entry to superannuation scheme after initial period of service. Well-equipped shop with good supporting staff. Applications in writing stating age, experience and when free for interview to: Mr. G. M. Archibald, M.P.S., Technical Supervisor, S.C.W.S., Ltd., Retail Drug Department, 187 Bogmoor Road, Shieldhall, Glasgow. C 6306

THE ROYAL ARSENAL CO-OPERATIVE CHEMISTS, LIMITED, require pharmacists as managers and managers to meet the requirements of a development programme in South-east and South-west London. Positions will be permanent and pensionable within a salary range of £800 to £1,000 per annum. Applicants should state whether housing accommodation is required. Locum also required as managerial relief for holiday season from early April to late September. Please state terms. Apply giving age and particulars of experience to: Superintendent Chemist, 71 Powis Street, Woolwich, S.E.18. C 6264

SUPERINTENDENT PHARMACIST required for long-established business situated in centre of populous rural district. Good salary and commission. Modern semi-detached house provided. Apply Maurice Bailey & Co., Accountants, 1a Hustlergate, Bradford, 1. C 4468

YORK CO-OPERATIVE CHEMISTS' SOCIETY

have vacancies for Branch Managers (Ladies or Gentlemen) for Pharmacies within the City of York. Good Salaries and Conditions. Permanent, Pensionable and Progressive Positions. Living accommodation at moderate rentals if required. Apply giving full details to the Superintendent Chemist, 22 Railway Street, York. C 4417

LOCUMS WANTED

LOCUM TENENS PHARMACIST of experience required to undertake several months tour of duties in the London area. Expenses and salary basis. Applications in first instance to Chief Pharmacist, London Co-operative Chemists, Ltd., Grange Road, Leyton, E.10. C 4461

RETAIL (OVERSEAS)

KENYA: East African Chemists, Ltd., have two vacancies for pharmacists; (a) with managerial experience (if married, preferably without children) commencing salary £1,350 p.a.; (b) junior (unmarried) salary £1,080 p.a. Business has growing veterinary side. Accommodation found. Four-year agreements with four months' paid leave, also paid local leave. Passages paid out and home. Apply in writing with particulars of age, training, experience, etc., to Davis & Soper, Ltd., 52 and 54 St. Mary Axe, London, E.C.3. C 6295

WHOLESALE**ASSOCIATION OF BRITISH
PHARMACEUTICAL INDUSTRY**

requires an additional

ASSISTANT SECRETARY

with experience in the sales or medical information department of a manufacturer or ethical medical specialties. Ability to address meetings and to write reports essential. This is a responsible, interesting and progressive post. Starting salary according to age and experience.

Applications, marked "Confidential," to the Secretary, A.B.P.I., Tavistock House South, Tavistock Square, London, W.C.1. C 4458

DUE to promotion a vacancy exists for the post of medical representative in an established territory of South London, in an established company specialising in the sale of ethical preparations to the medical profession. Knowledge of the area and experience in the field of medical propaganda an advantage. Good salary and expenses. Car owner preferred. Pension scheme. Write for interview giving full details to the London Medical Manager, Calmic, Ltd., 2 Mansfield Street, London, W.1. C 6315

EXPERIENCED sundry buyer required for chemist trade. Good salary and prospects with a view to taking over management of the department. Apply Box C 6305.

**HORLICKS LIMITED,
PHARMACEUTICAL DIVISION****Medical Representatives**

Applications are invited for appointments as Medical Representatives based in the following territories:-

London, N.W. and S.W.
Glasgow Area.

Bristol Area.

Cheshire and Staffordshire,
Essex and Eastern Counties.

Previous experience of outside representation is desirable but not essential, providing suitable educational and pharmaceutical background is evident. Successful candidates will receive salary, usual expenses, merit bonus and use of a company car. There is also a contributory pension scheme.

Applicants who are of good appearance, aged under 35, have the initiative to succeed and have a real desire to make medical representation their career, are invited to write giving full details of qualifications and enclosing a recent photograph to: Personnel Manager, Horlicks Limited, Slough, Bucks. C 4454

JOHNSON & JOHNSON (GT. BRITAIN), LTD., require a first-class representative to call on retail and wholesale chemists in the area comprising N.W. Wales. The position will be permanent and pensionable. Remuneration is by salary and commission and is above average. Full expenses with car provided. Applicants, who must be between the ages of 25/40, and prepared to reside in the area appointed, should forward full details of past experience, which will be treated in strictest confidence, to the Pharmaceutical Sales Manager, Johnson & Johnson (Gt. Britain), Ltd., Slough, Bucks. Applicants for interview will receive a reply within three weeks, otherwise please consider application unsuccessful. C 6268

LONDON REPRESENTATIVE for manufacturing chemists. Nationally advertised products. Good salary, commission, all expenses. Car provided. Experienced man preferred. Present staff informed of vacancy. All details in confidence first letter. Box C 6304.

**GEIGY PHARMACEUTICAL
COMPANY LIMITED**

desire to appoint Medical Representatives for the following territories:—

- (1) East Anglia (Norfolk, Suffolk and Cambridgeshire).
- (2) West Lancashire (Liverpool Area).

Applicants should be Pharmacists or possess a recognised scientific qualification. The salary offered will be above average, full expenses allowed and a car provided. An attractive superannuation scheme exists. Those who earnestly desire to work under most congenial conditions are invited to send fullest personal details which will be treated confidentially to:—The Sales Manager, Geigy Pharmaceutical Company Limited, Wythenshawe, Manchester.

C 6311

Situations Vacant—Continued

LEADING IMPORTER/EXPORTER/DISTRIBUTOR has opening for sample clerk. Previous experience not essential, but interest in chemistry an advantage. Reply Box C 315.

MANAGER, Pharmaceutical (ethical and lay) and cosmetic business near Dublin of a big world-wide group with headquarters in the U.S.A. Sales promotion background in these lines preferred. Send full details to Chairman, Warner-Lambert (Ireland), Ltd., c/o Arthur Cox, Esq., 42 St. Stephen's Green, Dublin.

C 6293

**PARKE, DAVIS & COMPANY,
LIMITED.**

invite applications from pharmacists for a junior executive position in their pharmaceutical manufacturing division. The position, which has become vacant due to a promotion, involves supervision of groups of process workers and offers an opportunity to gain wide experience in modern, large-scale production methods. Good promotion prospects; previous manufacturing experience, while an advantage, is not essential.

5-day week, staff restaurant, generous pension plan. Write with full particulars to Personnel Manager, Staines Road, Hounslow, Middlesex.

C 6276

MEDICAL REPRESENTATIVES required for the following areas: (1) Staffs and Shropshire; and (2) South Wales; preferably 25-35; personality, enthusiasm and sales ability are prime requirements; pharmaceutical experience an advantage but an interest in medical technicalities and ability to learn quickly are an acceptable alternative; the post entails detailing highest quality pharmaceutical products to the medical profession and servicing the retail and wholesale pharmaceutical trade; company car provided. Expenses allowed and a pension scheme is operated. Applications in writing, giving fullest details of education and experience, should be addressed to the Sales Manager, Lederle Laboratories Division, Cyanamid of Great Britain, Ltd., Bush House, London, W.C.2.

C 316

RIKER

Due to promotions and area changes vacancies have occurred for medical representatives in the following territories:

1. Durham.
2. Monmouthshire, Herefordshire, Worcestershire and Shropshire.
3. South West London.

Remuneration is by salary and bonus. Full expenses are paid and a Company car is provided. There is a Company pension scheme in operation.

Applications are invited from pharmacists or suitably qualified medical auxiliaries.

Apply in writing in the first instance to the General Sales Manager, Riker Laboratories, Limited, Morley Street, Loughborough, Leicestershire.

C 6211

EVANS MEDICAL SUPPLIES LTD.**Pharmaceutical Research Assistant**

A pharmacist or chemist with suitable pharmaceutical background is required for team work in formulation and process research, which will include projects of a fundamental nature.

Attractive conditions of service including pension scheme. Apply stating age, education, qualifications and experience to Pharmaceutical Development Director, Evans Medical Supplies Ltd., Speke, Liverpool, 19.

C 6292

PHARMACIST as management trainee required by Beecham Pharmaceuticals, Ltd., St. Helens, Lancs. Progressive appointment. 5-day week. Profit participation and pension scheme. Apply in writing to Personnel Manager.

C 6319

REPRESENTATIVE REQUIRED by the Dubarry Perfumery Co., Ltd., Hove, for the territory covering the Counties of Dorset, Wilts, Oxfordshire, Berkshire, Bucks, Herts and Essex. Car provided, full running expenses paid. Liberal salary and commission. Preference given to applicants with established connection with retail chemists, stores, etc. Experience in pharmaceutical products an advantage. Write with full particulars to Goldstone Laboratories, Hove, 4, Sussex.

C 6303

PFIZER, LTD.

have vacancies for Laboratory Technicians (male or female) in their Spore Laboratory at Sandwich on shift and day work.

Applications are invited for these positions and preference will be given to persons who have G.C.E. at advanced level or the equivalent in experience. Experience in microbiological work and assay work desirable but not essential as training will be given.

The Company operates a non-contributory Pension Scheme and a 5-day week is worked. Canteen facilities are available.

Applications should be made in writing to Personnel Officer, Pfizer, Ltd., 137-139 Sandgate Road, Folkestone, quoting reference SLT/25.

C 6280

REPRESENTATIVE required by firm of manufacturing chemists to call on doctors, hospitals and chemists in connection with ethical pharmaceutical specialities. Territory: Western London and Middlesex. Applicants must live on, or near ground, Box C 6308.

WELL-KNOWN toilet brush manufacturers require energetic representatives for various parts of England and Scotland, with good connections amongst high-class stores, chemists, etc. Must show good record of sales. The position will carry good remuneration for keen men. Salary, commission and expenses. Send full particulars in confidence, ground covered, turnover, age, experience and remuneration expected. Box C 6322.

EVANS MEDICAL SUPPLIES LTD.**MEDICAL REPRESENTATIVE**

Applications are invited for appointment as a medical representative in a Lancashire area from persons holding a pharmaceutical qualification.

Preference will be given to an applicant who has had a minimum of two years' hospital experience in at least the basic grade of Pharmacist.

Adequate initial training will be given in the highly specialised work of detailing the Company's medical specialities and all necessary measures of support are in operation.

The Company operates a Pensions and Life Assurance Scheme, and the conditions of employment have an attractive career value.

Write with full details of education, qualifications and experience to the Pharmaceutical Director, Evans Medical Supplies, Ltd., Speke, Liverpool, 19.

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